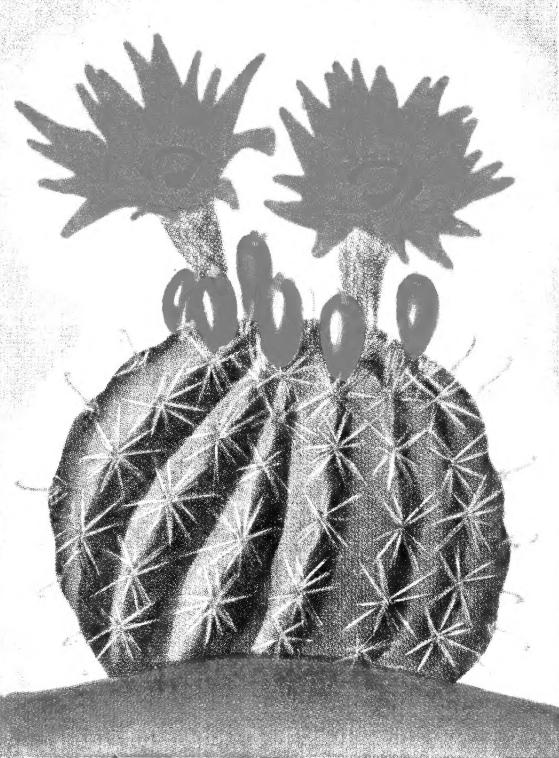


Historic, Archive Document

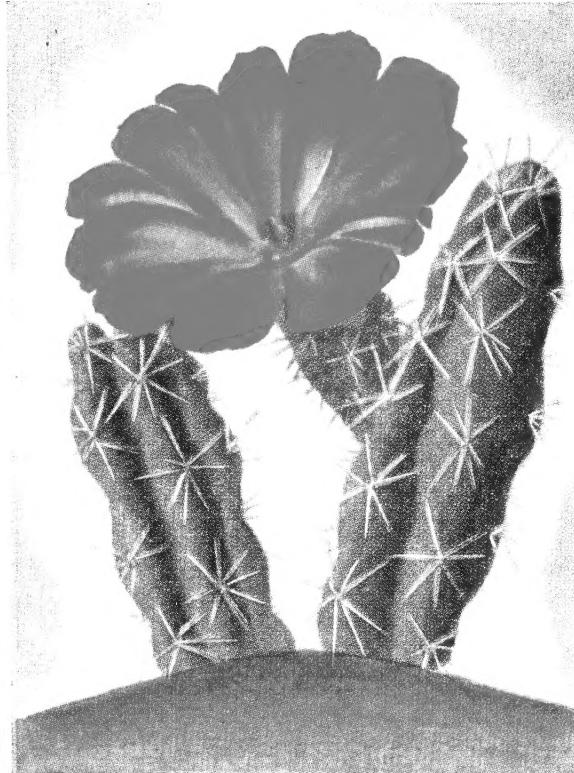
Do not assume content reflects current scientific knowledge, policies, or practices.

62.09



STRAWBERRY CACTUS
Hamatocactus setispinus

A patch of these is never without flowers in the summer! They blossom freely over a long period. *Hamatocactus setispinus* is a great favorite with all, growing freely. **Mature specimens**, 2½-3½ in., 35c; 5-6 in., 50c; nice..... 25c



HEDGE HOG CEREUS
Echinocereus pentalophus

A particularly beautiful cactus with 4-inch richly colored flowers and short, finger-like stems branching from base. The flowers are far larger and brighter than the illustration shows. **Large clusters**, 50c and 35c; **nice plants**..... 25c



INDIAN HEAD
Notocactus Ottonis

A charming small plant with bright yellow flowers, fat green body and harmless russet spines. Grows very easily, preferring a sunny position. It blooms for many months. **Nice 3-year blooming plants**, 50c; smaller, 35c and..... 25c

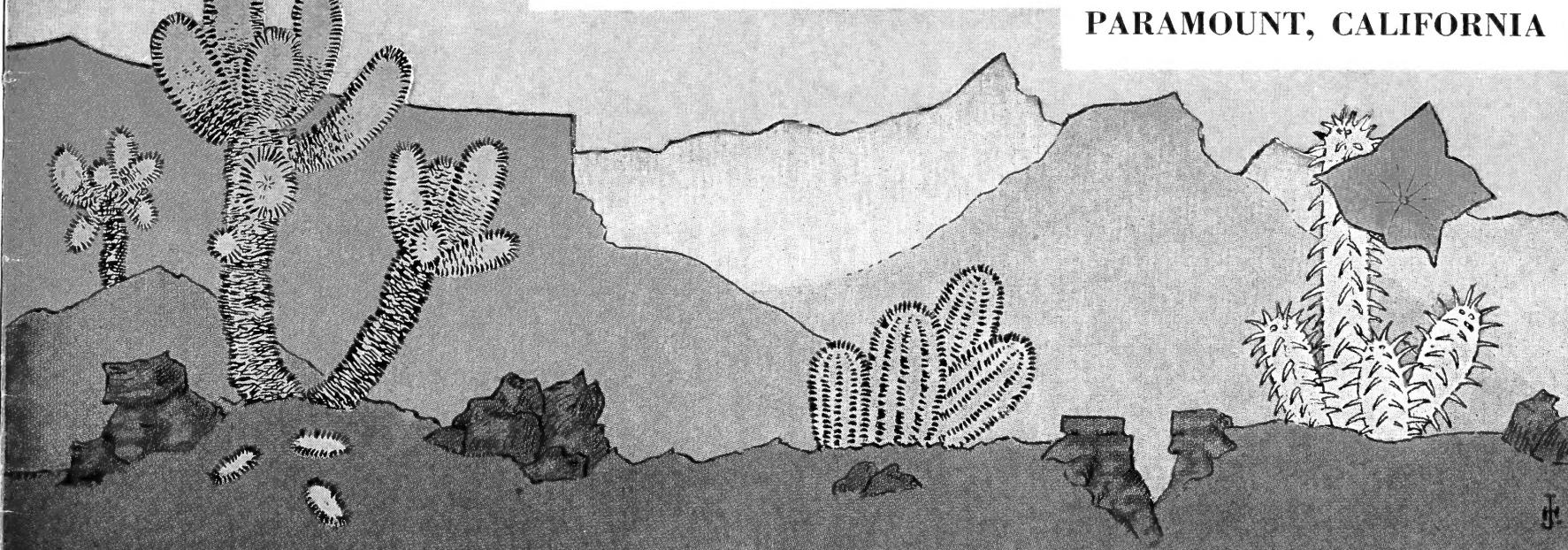
TREASURE TROVE from CACTUS LAND

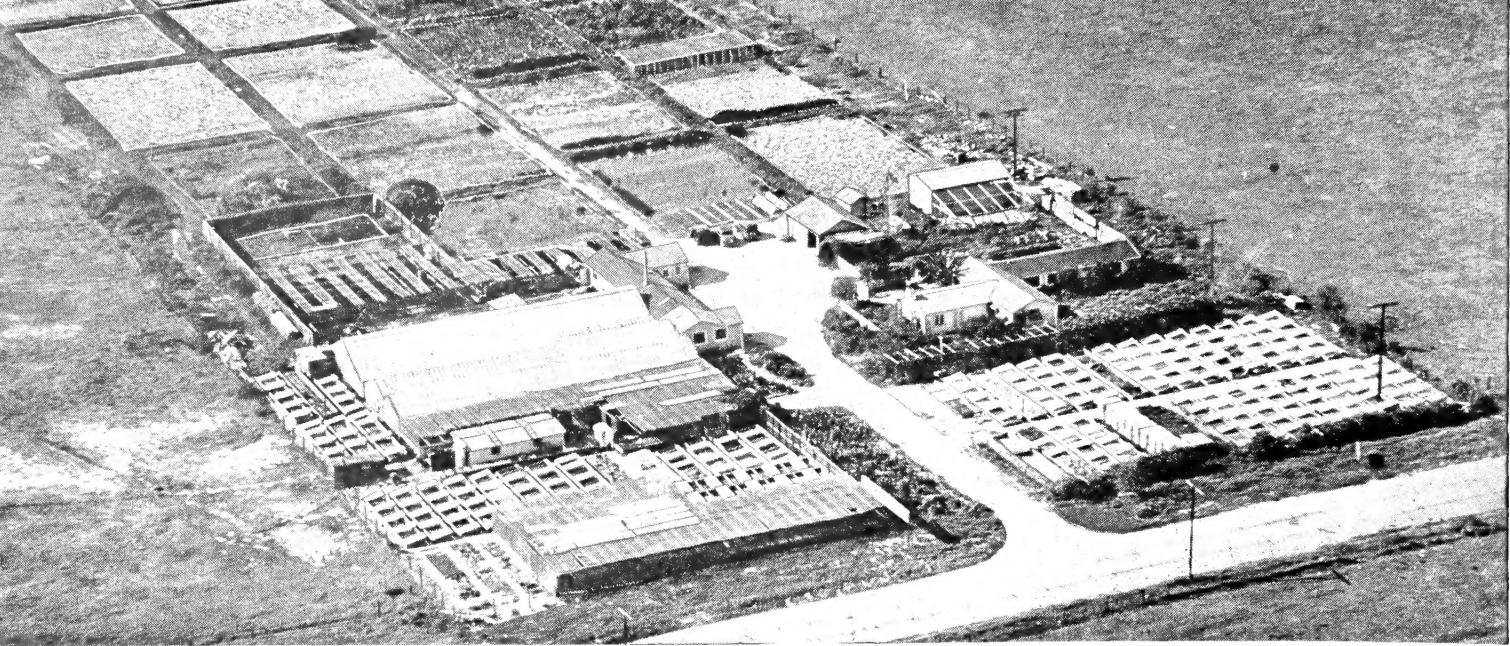
PRICE 25 CENTS

1948

JOHNSON CACTUS GARDENS

LATEST NEWS from CACTUS LAND
PARAMOUNT, CALIFORNIA





Aerial view of our ten acres of specialized nurseries. In the foreground are greenhouses, glass covered frames and lathhouses in which are growing two million Cacti and Succulents from tiny seedlings to trees fifteen feet high. In the background are acres of concrete pools in which our other great specialty, Water Lilies, are grown.

1876 - 1948

OUR NURSERIES were founded in 1876 in Bordentown, N. J., and were moved to Hollywood in 1894 when it was then a verdant center of orange and lemon groves. There it was known for its fine collection of rare subtropical trees, shrubs, cacti and water lilies. In 1921 it was moved to our present site to the south of Los Angeles. Here we have developed a modern plant with ample office and shipping space, including a branch post office for parcel post, assuring speedy dispatch of shipments.

HIGHEST QUALITY

Our long experience in growing and shipping plants assures you of the best stock possible. We grow our own plants under the most ideal conditions. Only by direct shipment from the grower can you be assured of fresh healthy rooted plants. Our plants are dug daily by our packing crews. Why waste time and money on less fresh plants when you can be assured of clean vigorous rooted stock from the world's largest grower? We invite comparison of our plants and products.

LOWEST PRICES

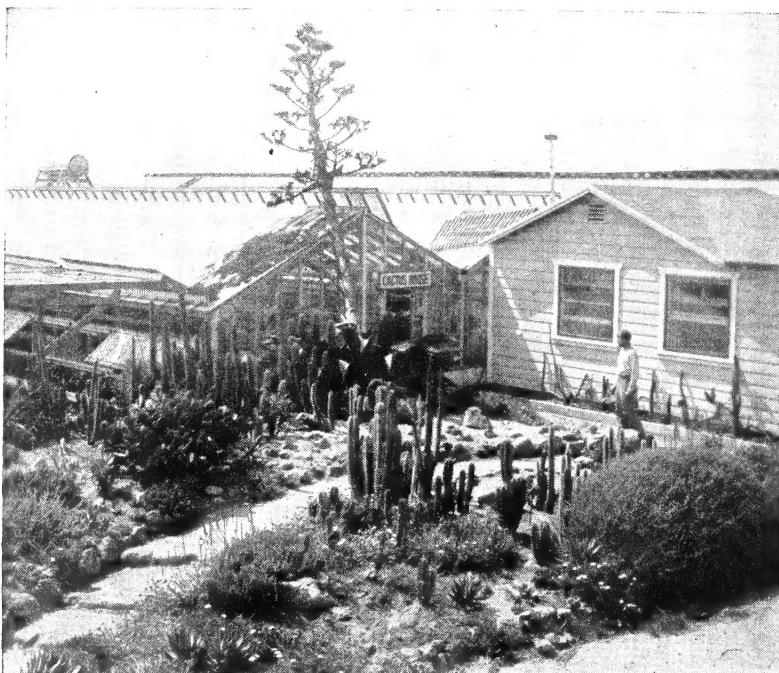
Our rock-bottom prices include free delivery to your door of the finest stock. There are no other charges. Careful packing by experienced packers assures you that no matter where you live from Canada to Panama plants will be received in as fresh condition as though you had chosen them here at our nursery.



TO OUR PATRONS:

With this 1948 Treasure Trove catalog we offer many new plants to our old customers and we hope pleasure to Succulent fanciers in all the lands to which it goes. Our friends are in every land on earth though our European friends cannot now increase their collections due to restrictions by their governments on dollar exchange. Almost all nations now have National Cactus and Succulent Societies and interest is steadily increasing in every branch of this fascinating hobby. Our American Society is the world's focal point of cactus lore.

Harry Johnson



TERMS

I GUARANTEE SAFE DELIVERY ANYWHERE . . . ANYTIME

NO SHIPMENTS during December owing to the crowded Christmas mails.

FREE DELIVERY of all orders amounting to **\$2.00 or more**. A few specimen sizes noted in text are F.O.B. Hynes.

MINIMUM ORDER for free delivery is \$2.00. Orders for less **must have 25c extra** to cover packing costs.

MAY WE SUBSTITUTE IF OUT?

Will you provide us with one or two second choices in your order? We will use them only if absolutely necessary.

OUR GUARANTEE

WE GUARANTEE to send you only fine healthy plants true to name and that they will reach you in fresh planting condition. If for any reason packages are damaged in transit we will replace any injured plants free. All complaints must be made within 5 days. Owing to conditions over which we have no control, i.e., your culture, etc., no adjustments can be made after this period. We beg your indulgence if only a plant or so is damaged that we may send you a credit card to be used with your next order.



OUR COLLECTION

FOR many years our collection of Cacti and Succulents has been growing until now it is the largest in the world. We have included representatives of almost all available genera for study and comparison and are continually adding new acquisitions. In many genera we have extensive collections of species, particularly in those which are outstanding in flower or plant form. Such particular groups include *Mamillaria*, *Notocactus*, *Gymnocalycium*, *Echinopsis*, *Parodia*, *Neopoteria*, *Lobivia*, *Cleistocactus*, *Hylocereus*, *Selenicereus*, *Trichocereus*, *Rhipsalis*, etc., among the cacti. Particular groups among succulents are *Euphorbia*, *Stapelia*, *Caralluma*, *Huernia*, *Lithops* and all succulents *Mesembryanthemums*, *Crassula*, *Haworthia*, etc. In many smaller genera we have almost complete sets.

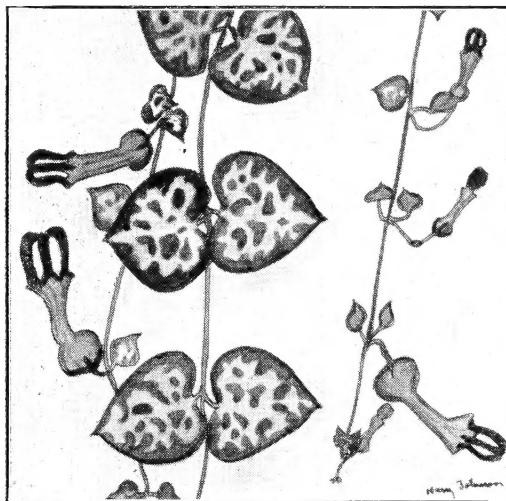
Managing a collection as varied as ours is a matter of infinite detail. Many species require extremely specialized treatment, knowledge of which we have gained through long years of experiment. To keep them propagated and ready to ship in all their multiplicity of forms and to see that rare plants do not get lost or overlooked requires the assistance of careful card indexing. Many rare plants are only introduced at the time of their discovery and in many cases have never been found again. Collectors penetrate into remote and inaccessible regions only rarely, for such expeditions are expensive and time consuming, and only experienced, trained botanists can make such collecting trips worthwhile. Thus when new plants are received the problems of culture and continued propagation must be solved before we can make the species available to our patrons. Some plants may be raised from cuttings, but others are of such slow growth that only seed is practicable, so the plants must be grown to maturity carefully hand pollinated and the seedlings brought to size before we can list them. To grow one or two specimens is one thing, but to grow 500 of the same clean plants presents an entirely different problem.

WHEN YOU VISIT LOS ANGELES STOP AT PARAMOUNT

Our friends are always welcome at our Nurseries and we hope you will visit our growing grounds and see for yourself the many interesting plants in our collections. Paramount, which was Hynes, is 20 miles south of Los Angeles, 5 miles east of Compton. Phone Metcalf 3-1515.

Some Rare and Unusual SUCCULENTS

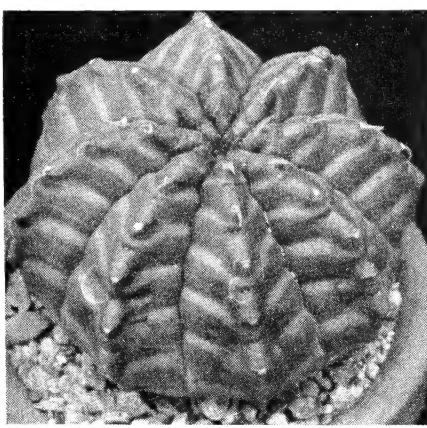
All of these Succulents are South African, the region which has supplied the fancier with many of his choicest plants. The climate of South Africa is similar to that of Southern California in many ways. Many of the more sought after plants are found in the Karroo, an elevated dry region which slowly grades into the extremely hot, dry Kalahari Desert, and in the far west to the dry mountainous British South West Africa. Here is found a wealth of curious plants which, in this vast empty land, have slowly evolved down the ages to adapt themselves to the intense sunshine and long dry periods where rain may not fall for months and in some regions even years. The Stone Faces or Lithops have become simply a pair of fat leaves grown together, often with only a tiny slit in the top through which the sprightly blossoms slowly emerge at the beginning of the growing season. Others, like Euphorbia valida, have become very cactus-like (though they may always be distinguished by their milky sap) with some burying themselves until only their tops show.



HEART VINE

A charming easily grown plant that springs from a small tuber. The heart-shaped leaves are in pairs and prettily marbled with silver. It likes to hang down in long trailing curtains, the curious blossoms appearing almost all the year. Ceropeltis Woodii will thrive in sun or shade in any window. The tubers are easy to establish. Potted, each.....

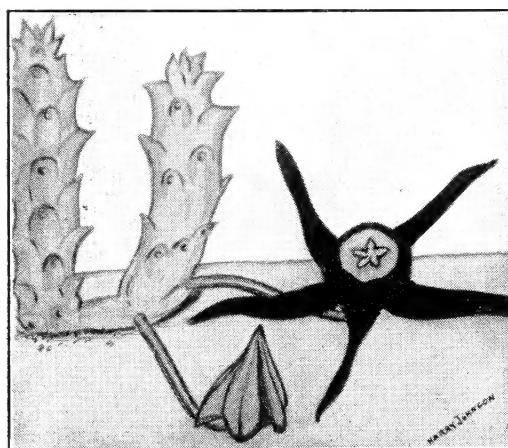
25c



STRIPED EUPHORBIA

An uncommon succulent more or less brightly striped or banded in a zigzag pattern. A choice collector's item. The plants are either male or female and a pair is needed to produce seed. 1½-inch, each

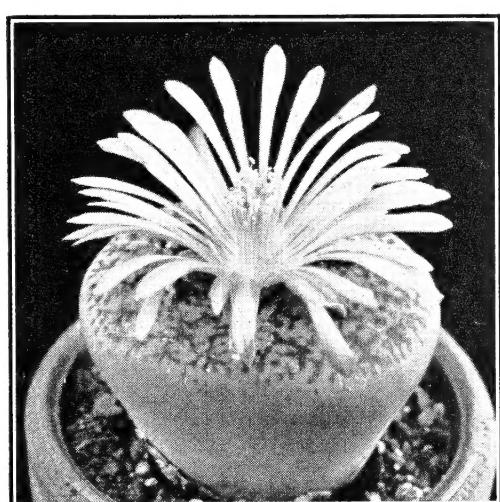
75c



DUVALIA RECLINATA

These odd blossoms are closely related to the Starfish flowers and require about the same care. They bloom when quite small, generally in fall and spring, though there is hardly a day that they are not in bloom here. The flowers are almost black with a lighter boss in the center and lay flat on the ground. Easy to grow and flower. Branched plants, blooming size.....

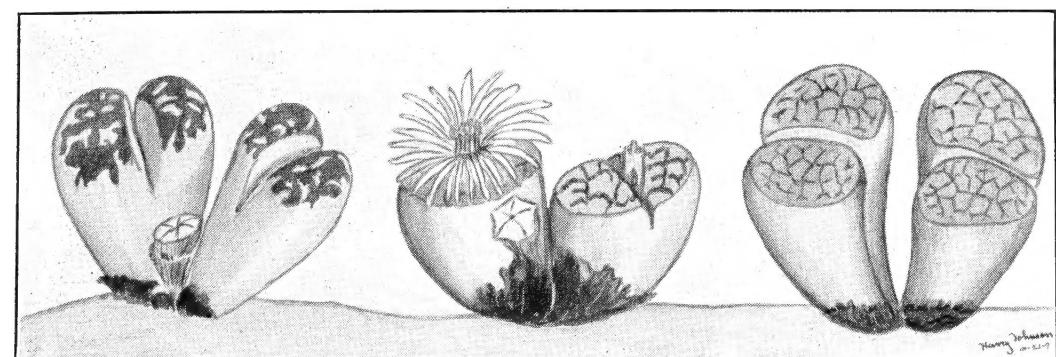
25c



STONE FACE

The Stone Face or Lithops are amongst the prettiest and certainly most curious of succulents. They are easily grown and flower freely in the fall. There are a great many different kinds—we have more than 30—each one varying in the lovely lucent patterns on their tops. Some kinds are red, others rosy tan with red lines, others blue-grey, rosy white, green, and all are spotted or marbled with contrasting window patterns. The windows are true windows to let diffused sunlight into the plant! Sand or very sandy soil. Reaches 2 inches across. Each.....

25c



LITHOPS FRAMESII

A very pretty variety, violet grey with darker pattern on the rounded tops. The flowers are white and produced in November. Forms flower clusters. Flowering size.....

20c

LITHOPS URSLAE

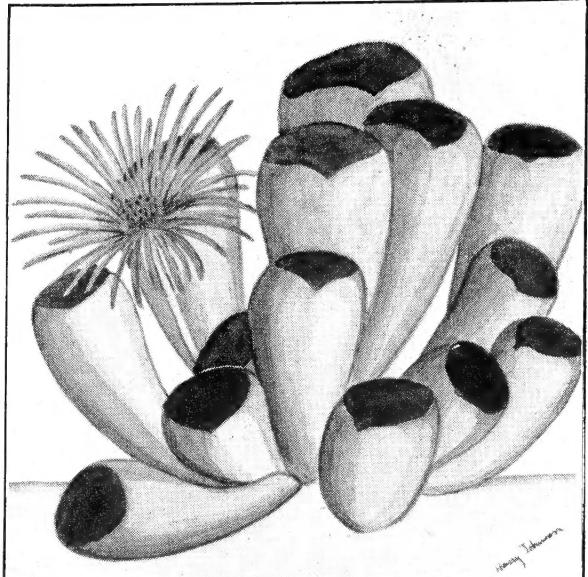
Charming with dark rusty red lines incised on the buff colored uneven tops. The large flowers are sparkling white and appear in September. Very bright. Flowering.....

20c

LITHOPS FULVICEPS

The fat, flat-topped leaves are rosy beige in color with an intricate pattern of incised brown lines. The white flowers are borne in September. Flowering size....

20c



ORANGE BABY TOES

This unusual mesembrianthemum, Fenestraria aurantiaca, is one of the more striking "Window" plants. Each leaf is tipped with a translucent pane which filters the intense desert sunlight. No one could fail to be thrilled by possessing this strange plant from far-off Africa. Blossoms are orange yellow. Potted flowering specimens with special cultural instructions.

40c

FANCIERS' COLLECTIONS

THE COMPLETE WINDOW GARDEN COLLECTION Q1



20 FINE PLANTS

A fine selection to start your window garden or for planting outdoors during the summer. Contains representatives of all the main groups of both Cacti and Succulents. Correctly labeled.....

\$3.00

DE LUXE GARDEN COLLECTION Q2

40 choice plants, all correctly labelled. A fine selection of the beautiful and odd. Living Rocks, Easter Lily Cacti, Dragon Flowers, Opuntias, Pin-cushion Cacti, Echeverias, Old Men, Torch Cacti, Cereus, Barrel Cacti, Parodias, etc.....

\$5.00

FANCIER'S ASSORTMENT COLLECTION Q3

75 rare and choice plants for the collector of the odd and beautiful. Stonefaces and other rare South African succulents with South American cacti, Lobivias, Cerei, Notocacti, etc., plus a group of Mexican Mammillarias, Ferocacti, etc. Labelled.....

\$10.00

CENTURY ASSORTMENT

No. Q4

100 CACTI. NO SUCCULENTS.

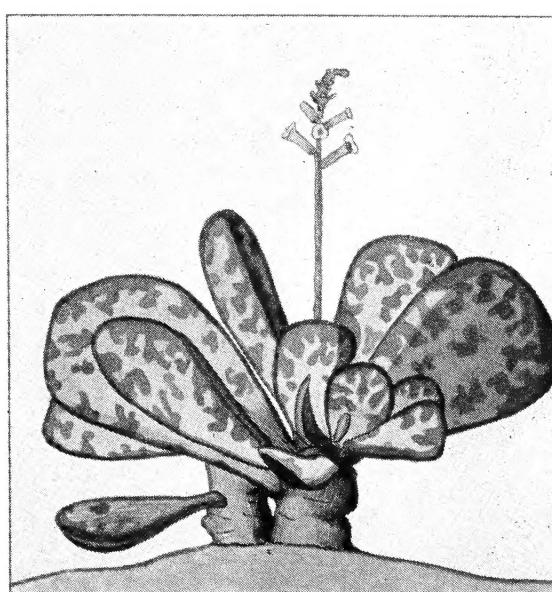
A collectors' group, including all the main genera and species of Cacti. A gift any collector would prize above all else. A very moderate price of only.....

\$25.00

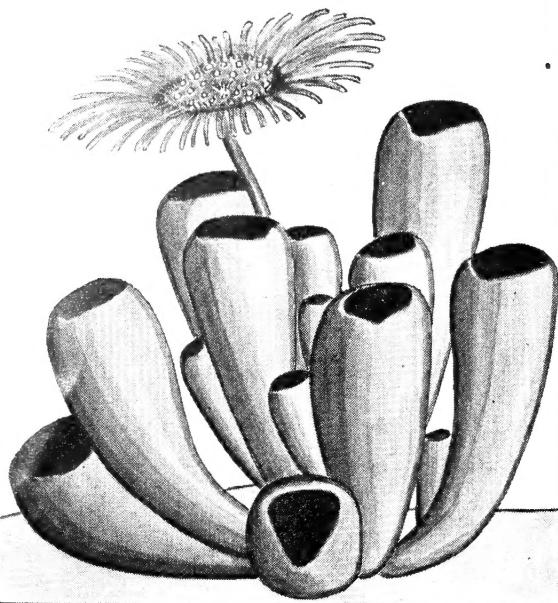
CALICO HEARTS

The lovely and very rare Adromischus maculatus will be one of the choice gems of your collection. The leaves are handsomely mottled rich maroon on a silvery green ground. A long-lived succulent enjoying a porous loam soil and moderately generous waterings with shade during hottest part of day. Each.....

35c



SUCCULENTS

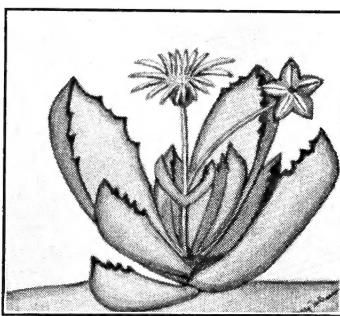


BABY TOES

This odd "window" plant is native to the sandy coastal deserts of West Africa. Each leaf has a clear window at the tip. Lovely white blossoms in the fall. Potted flowering plants.

35c

Larger specimens 50



CARUANTHUS CANINUS

A sturdy, pleasing little plant related to the Tiger Jaws. Like them it forms small clusters of blue green faintly toothed leaves and, in the early fall, produces many of its daisy-like yellow blossoms. Nice flowering plants.

20c

OUR CACTUS COMPOST

For the convenience of our customers we have prepared a compost that with the addition of sandy loam and clean builders sand will make an ideal soil for all types of Cacti and Succulents. One package will make 6 to 10 quarts of compost. Very economical.

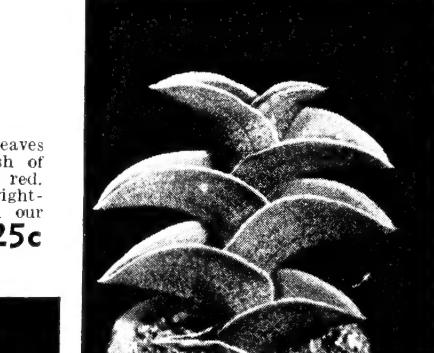
2 Pound Bag 75c
Per Peck \$1.95

CHENILLE PLANT

Echeveria pulvinata

At all seasons this is a dainty beauty, the leaves and stems densely covered with a soft plush of fine hairs and tipped and margined with rich red. It flowers in midwinter, the bells large and brightest crimson. One of the prettiest things in our houses. Semi-shade and moderate moisture. Each.

25c



EUPHORBIA OBESA

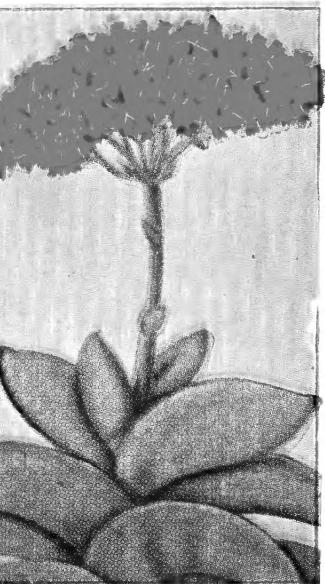
A strange and rare cactus-like succulent from Africa. Most interestingly plants are either male or female. It thrives in sandy loam with leafmold and gravel and plenty of sun. Large

50c

\$1.50. Fine plants, 75c and.....

50c

Matched flowering pairs, per pair \$4.00



SCARLET PAINT BRUSH

A very handsome flowering succulent that should be in every collection. The myriad scarlet blossoms are borne in flat topped corymbs in the fall. Roechea falcata grows easily for everyone. Scarce! 5-inch to 6-inch flowering,

20c

SUCCULENTS FOR THE AMATEUR

A fine book describing over 800 kinds of Succulents, 167 pages crammed with information, 400 illustrations, 85 in color. Every collector should have this book to refer to. Cloth binding. Postpaid.

\$2.55

CACTI FOR THE AMATEUR

110 colored pictures, 150 cactus photos. A splendid book on Cactus culture. Cloth binding. Postpaid.

\$2.55

CHRIST THORN

The lovely scarlet blossoms of Euphorbia splendens are found all the year around. Everyone succeeds with it. Likes a rich sandy loam and generous supply of water. When growing, light applications of our Cactus Food will keep it blooming indefinitely. Give it a semi-sunny location. Native of Madagascar. Large plants, 16 to 18 inches, **75c**; 12 to 14 inches, **50c**. Fine blooming specimens from pots, 8 to 10 inches.

35c

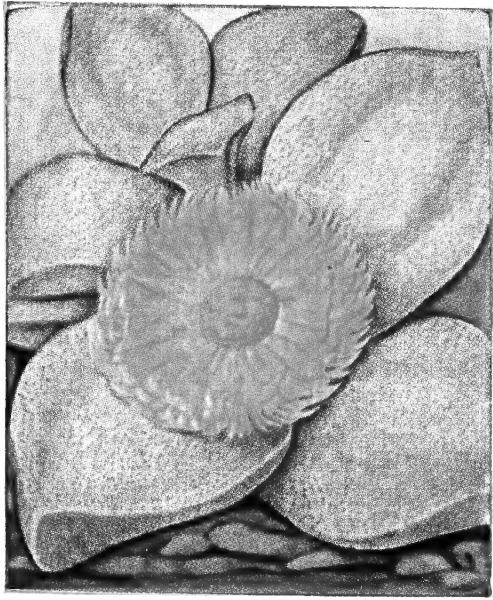


SUPERB TIGER JAWS

A splendid white dotted form of this popular fall flowering plant. Should be in every window. Nice clusters, 35c. Each.

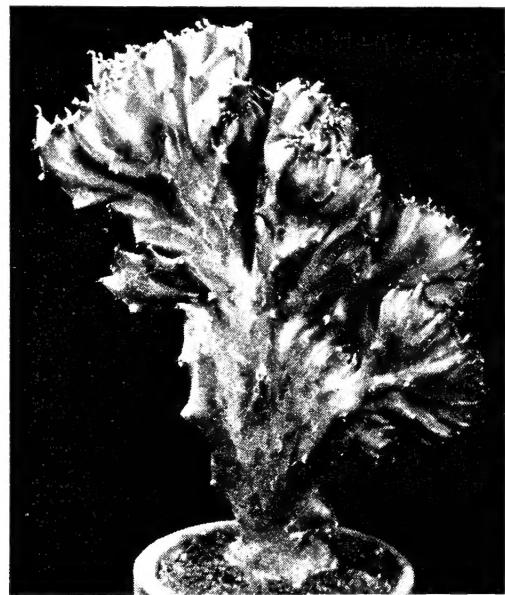
20c





AFRICAN LIVING ROCK

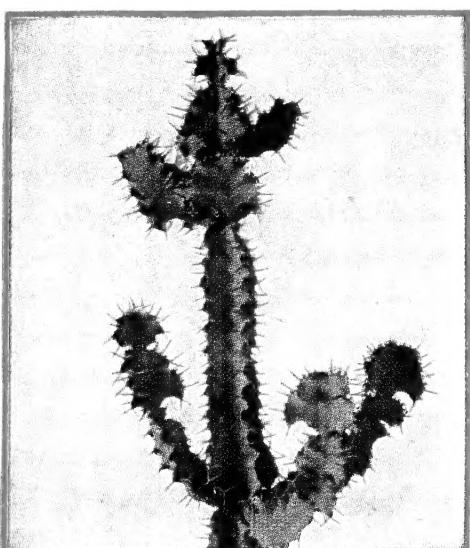
A fine, easily grown mimicry plant. *Pleiospilos* simulates. The grey-green dotted leaves are carved from Vermont granite. Blooms in autumn. Thrives in very sandy soil with moderate water and sun. Large, 3 to 4 inches, 35c. Blooming size, ea....

22c

ELK HORN EUPHORBIA

Euphorbia lactea cristata

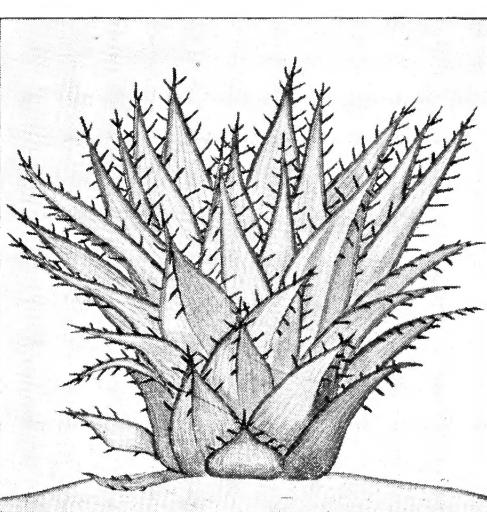
A rare and attractive cristate plant. All collectors treasure these crests for their beauty and curious growth. A real collectors' item. Only a few plants. Grows to 3 feet in height, making a noble specimen. Fine crests, 4 to 5 inches, \$1.50; 3 inches, \$1.00; 2 to 3 inches, each.....

75c

COW HORN EUPHORBIA

Euphorbia grandicornis

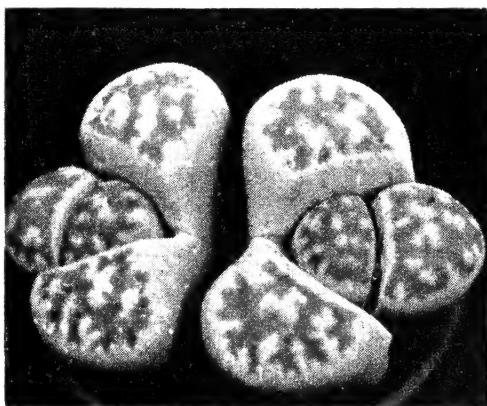
A handsome specimen plant with emerald green, triangular stems and stout, brown, curved spines. Partial shade with a sandy soil and plenty of water when well established. Fertilize when growing. 10 to 12 inch specimens, \$1.00. 4-inch.....

60c

LACE HAWORTHIA

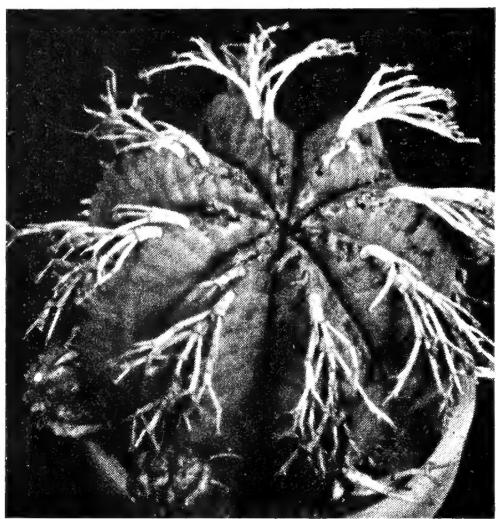
Haworthia setata

A dainty small Haworthia. The lacy effect is produced by the long, snow-white bristly teeth and the tapering bristle-like tip. The leaves are lined with transparent windows. Charming and quite easily grown in a very sandy soil with some leafmold and gravel. Keep completely dry in July and August. Fine plants, 50c and.....

35c

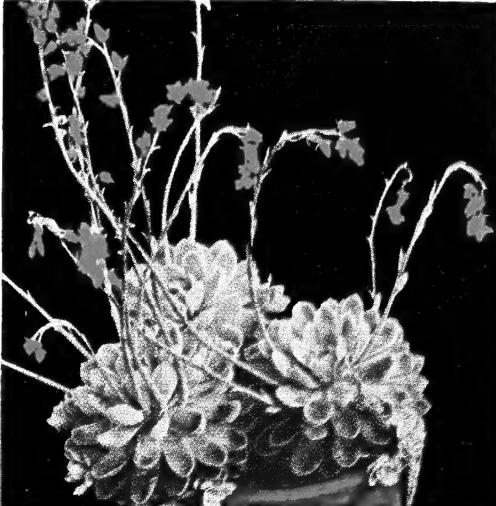
PLOVER EGGS

A fascinating and lovely plant with fat, round leaves marbled with maroon-red. Everyone will enjoy it. Small pink and white blossoms. *Adromischus Cooperi* grows easily in sandy soil with some leafmold and a moderate amount of water. Sunshine brings out the brightest coloring. Each.....

35c

LITHOPS SUMMITATUM

A charming Stone Face, tan with dark brown mottled windows. Lovely snow-white blossoms in October. Plant in sand or sandy soil. Keep dry in winter. Fine flowering size.....

20c

MEXICAN GEM

Close rosettes of powdered white spoon-shaped leaves. The blossoms which appear in the spring are charming. Colors are brightest when given plenty of light. *Echeveria elegans* is very easy to grow. Large rosettes, 30c. Each.....

20c

EUPHORBIA MELOFORMIS

A very rare succulent from South Africa. Our type tends to form pretty specimen clusters. A choice collector's item. Easily grown in sand or sandy soil with moderate waterings. Sun or part shade. 1 to 1½ inch. Each.....

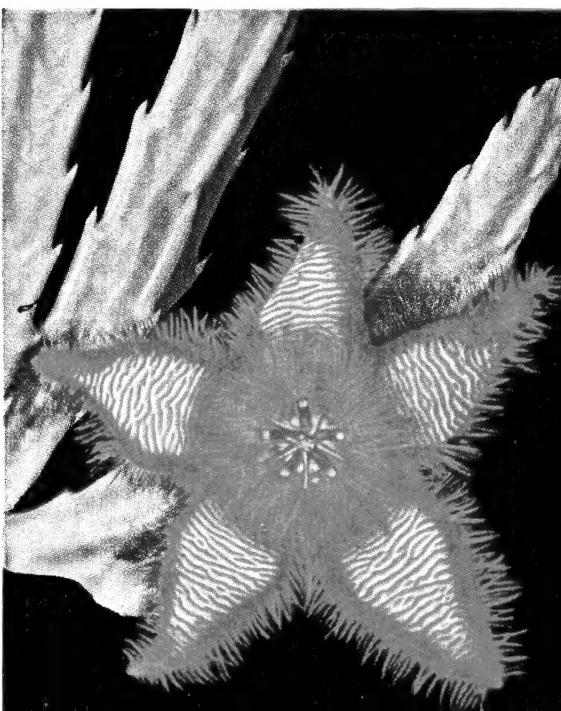
75c

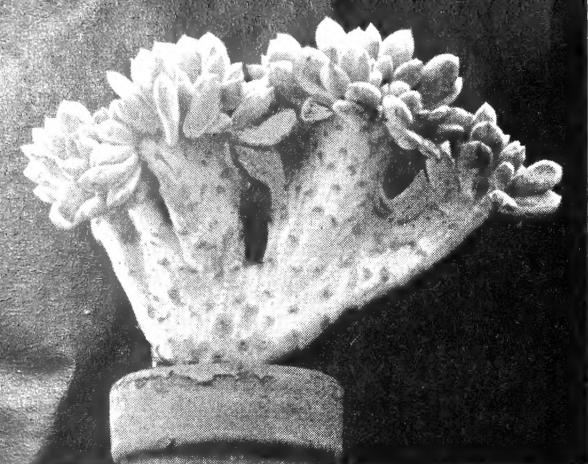
Euphorbia horrida. A prince among Euphorbias. Very spiny and extremely rare. 1¼ to 1½ inches. Each.....

\$1.50

HAIRY STARFISH FLOWER

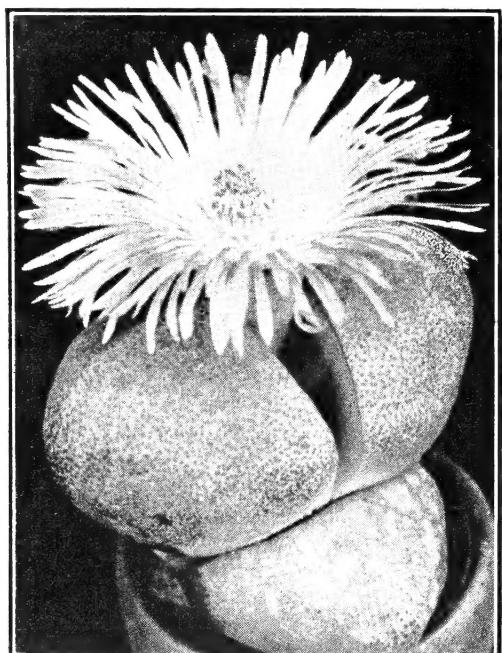
This lovely bright desert star is one of the most fascinating of succulents. *Stapelia hirsuta* is at home in the window garden, blooming freely the first year. The small plants grow easily in sandy loam, flowering all summer and fall. Give moderate water in summer but keep dry in winter. Large clusters, 50c. Potted branched clusters.....

35c



COCKSCOMB PLANT

The fan-shaped stems are very much crested and waved, bearing along their crests numerous blue-white leaves. *Pachyveria clavifolia cristata* makes a lovely specimen liking sandy soil with leafmold and semi-shade. Large, 50c. 2-3 inch crests..... **20c**

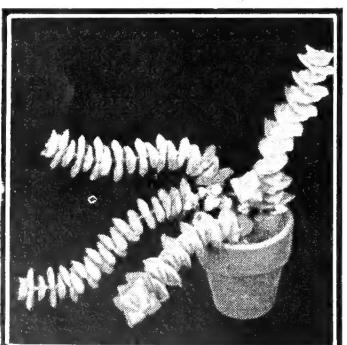


SPLIT ROCK. *Pleiospilos nelii*

One of the finest mimicry or Stone like plants and one of the easiest succulents to grow. The smooth granite-grey leaves grow naturally among similar grey rocks to hide them from the baboons and ostriches, which are fond of them. They flower the first year in March. Pure sand or sandy loam and full sun. Water only when dry. 2-inch, 50c; 1½-inch, 35c; 1-inch, each..... **20c**

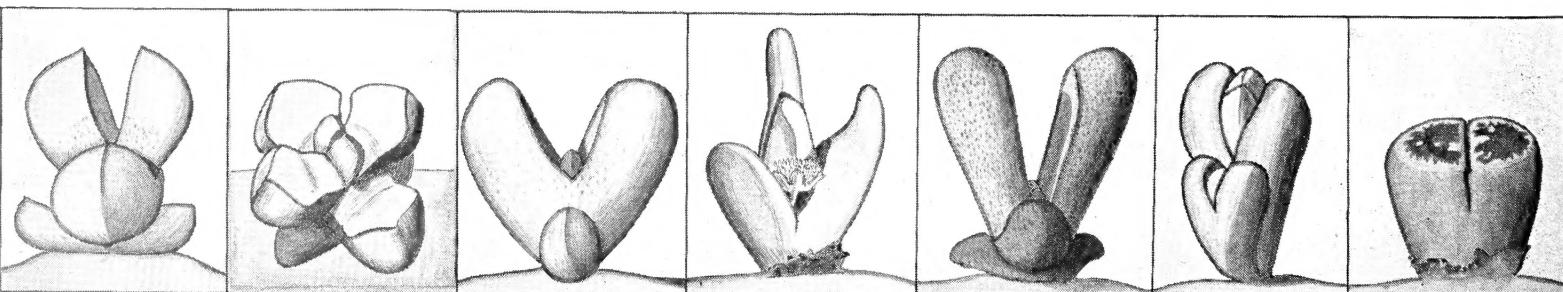
NECKLACE VINE

A great and easily grown favorite. *Crassula perforata*. Each pair of leaves is joined together, the stem passing through like a string of beads..... **18c**



BEAD VINE

Crassula rupestris is similar but bears lovely sprays of pink flowers. Pretty..... **18c**



DINTERANTHUS PUBERULUS

Charming African Stone Plant, leaves white tinted pink. Blossoms bright yellow in fall. Fine. Large..... **25c**

KARROO ROSE

The lovely *Lapidaria Margaretae* with carved white leaves flushed with rose. Golden blossoms borne in September. Fine plants..... **25c**

FLOWERING STONES

Dinteranthus inexpectatus closely resembles the white pebbles among which it grows. Golden flowers. Fine..... **25c**

GIBBAEUM

Curious mimicry plants with rosy lilac flowers and very unequal leaves. Form clusters of fat white leaves. Each..... **25c**

PLEIOSPILLOS HILMARI

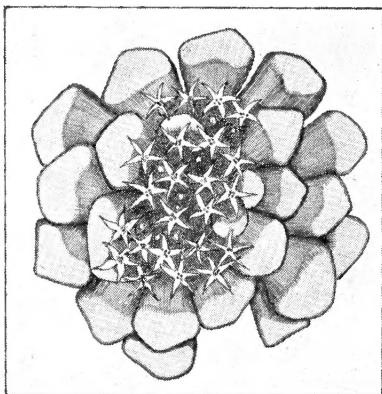
Fat copper-red leaves like jasper pebbles. Large golden blossoms borne from August to September. Nice colored plants. **25c**

PEBBLE PLANT

The *Rimarias* are like smooth green chert pebbles. Cluster forming. Flowers white or pink..... **25c**

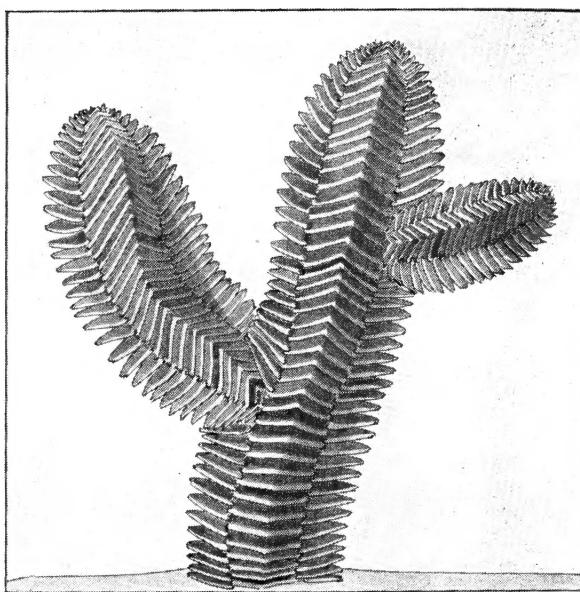
STONE FACE

Lithops are the jewels among succulents. Lovely patterned windows on top in brown, grey, rust red, white or green. Just like colored pebbles. Nice plants, ea.... **25c**



FOAM FLOWER

A very rare mimicry plant, *Crassula mesembrianthemopsis*. Lovely fragrant, white "shaving-brush" flowers borne in December. The top of the plant is almost level with the soil. The triangular, truncate leaves are sandpaper tipped. You will enjoy this odd gem. Grows in fall. Keep dry in July and August. Large specimens, 5 years, 50c. Flowering.... **25c**



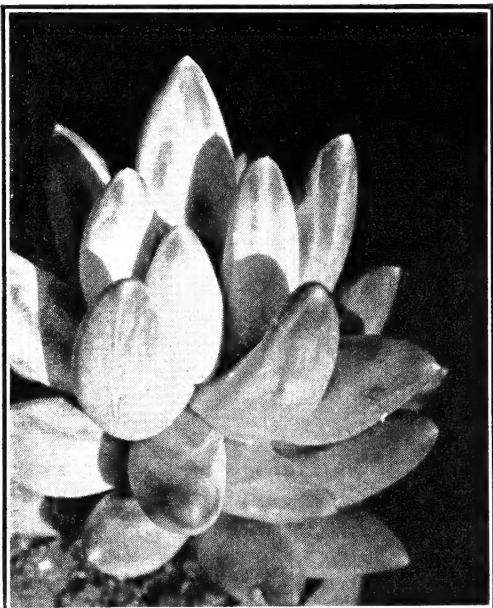
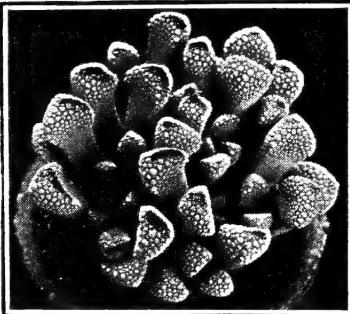
PYRAMID CRASSULA

Every fancier covets the striking *Crassula pyramidalis*. This rare South African succulent is the extreme of laminate leaved types. Fragrant, white "shaving brush" flowers. Sandy loam, part shade..... **75c**

WHITE JEWEL PLANT

Titanopsis Schwantesii

A choice succulent, pure white leaves pebbled at the tips. Grows wild in crevices of limestone rocks, where it is almost invisible. Pretty yellow flowers. Likes sandy soil, moderate water and sun. Flowering.... **30c**



TOWER OF JEWELS

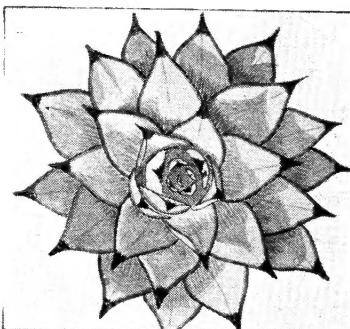
Pachyphytum compactum

A charming easily grown and long-lived succulent from the mountains of Mexico. The lovely dove-grey leaves are dusted with a white powder and faintly mottled with darker markings. In winter it often assumes a violet overlay..... **25c**

Pachyphytum brevifolium. Fine with flat leaves overlaid with rose and tan. Each..... **25c**

HOUSE LEEK

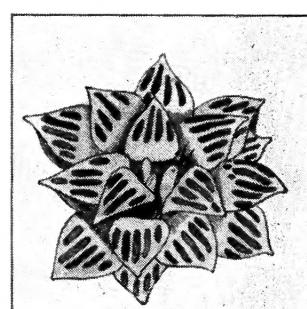
A quite hardy plant outdoors in the north. Leaves dark green, tipped red in a lively way. In Europe they are planted on the roofs of sod houses. *Sempervivum calcareum* likes moderate waterings. **22c** Each.....

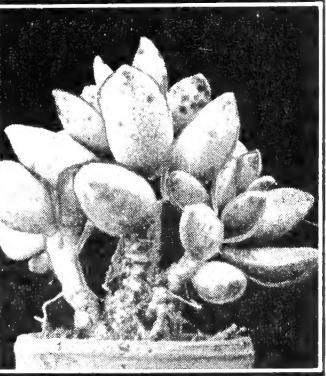
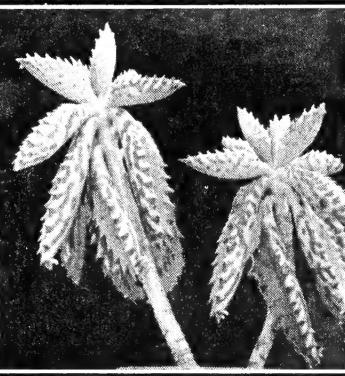
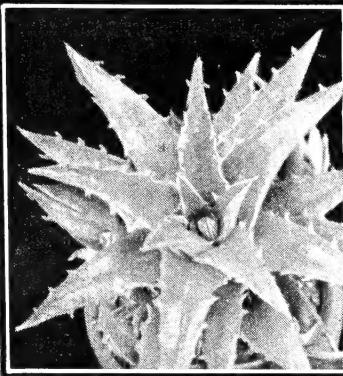


PYGMY WINDOW PLANT

Haworthia turgida

A charming window plant with a pretty lacy pattern on the flat topped, wedge-shaped leaves. A very sandy soil, moderate watering. Partial shade. Ea.... **25c**





PINEAPPLE DYCKIA

Bright glossy green leaves and lovely spikes of rich, orange yellow blossoms in spring. Grows anywhere. Likes water and some shade. 2-inch to 3-inch specimens. Each.

25c

COCONUT PALMS

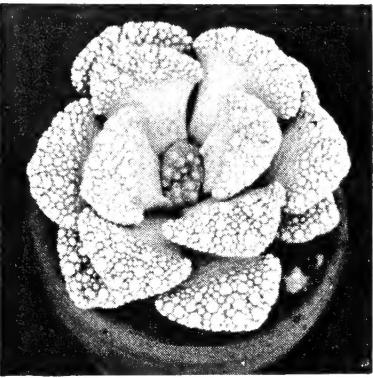
Looking for all the world like miniature coconut palms! A cluster in a brightly colored dish makes a very pretty ornament. Produces young plants on the leaves. Three for.....

25c

PRETTY PEBBLES

A charming small plant with prettily marked leaves, silvery green and maroon. Adromischus clavifolius likes moisture and either sun or shade, growing easily. Specimens, 35c. Each.....

23c



JEWEL PLANT

Lovely mimicry plant often becoming highly colored in winter. The rugose leaves are blue-green and white, the blossoms yellow. Titanopsis calcareum likes sandy soil, moderate waterings and sun. Flowering specimens.....

20c

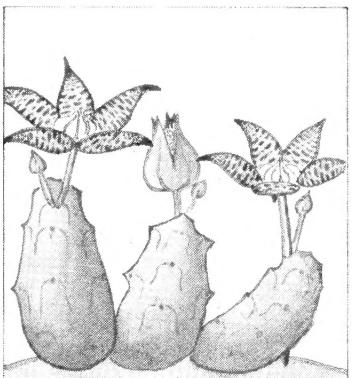
Titanopsis setifera. Collector's item. Each 50c
Titanopsis Primosii. Very rare specimen 50c



HOST PLANT

A splendid plant that becomes more graceful with age. As the stems lengthen they droop in pleasing curves. We have plants more than 10 years old. Of easiest culture in sun or shade. Each.....

22c



YELLOW STARLETS

A pretty dwarf plant, Piaranthus Pilansii, related to the Starfish Flowers, with erect star-like, clear yellow flowers. Small egg-shaped stems of coppery green. Very free flowering. Clusters, each.....

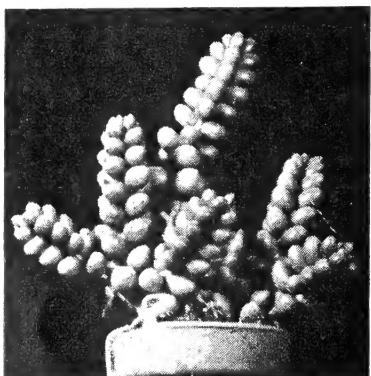
35c



ARABS TURBAN

A gem, very odd and easy to grow. A choice specimen. Sandy soil and partial shade. Crassula hemisphaerica. A beauty. Large, 35c. Each.....

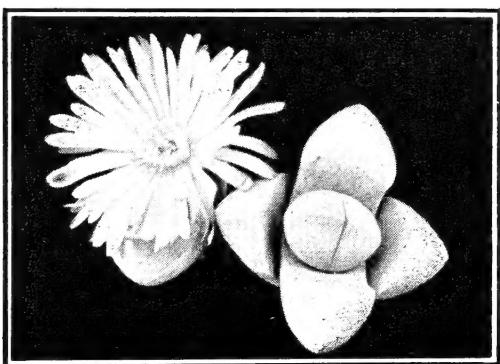
22c



CORAL BEADS

Every bead is brightest red. Every bead that falls will grow! Sedum Stahlii, in sun or shade. Each.....

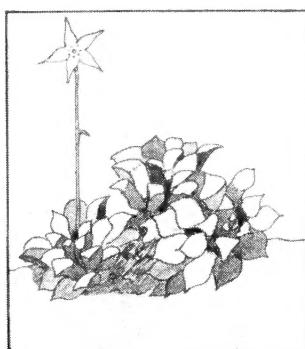
18c



KARROO ROSE

A lovely mimicry plant with white leaves suffused with smoky rose and in the winter sunshine dyed with rose red at the leaf base. Plants flower over a very long period in autumn, a rich bright golden color, 1½ inches in diameter. Sandy soil, very moderate waterings, sun. Flowering specimens.....

25c



WOOLLY SAND ROSE

A small clustering succulent with wool covered thick leaves. Anacampseros tomentosa from Africa is a choice collector's item with pink flowers. Sandy soil, sun or shade. Flowering.....

20c

Anacampseros telephastrum. Fine pink flowers. Large 25c
Anacampseros filamentosa. Charming large flowering.....

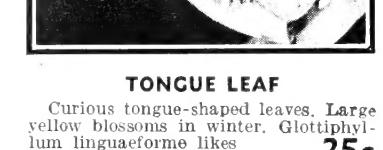
25c

Conophytum Giftbergensis

Silver green clusters of grape-like bodies. Extremely rare and curious item. Related to the Stone Faces. If you like the odd you will enjoy this one. Clusters, 50c. Plants.....

25c

Conophytum Ernianum, 50c.
Conophytum Braunsii, 75c. *Conophytum multipunctatum*, 35c. *Conophytum Wiggettiae*, 40c.



TONGUE LEAF

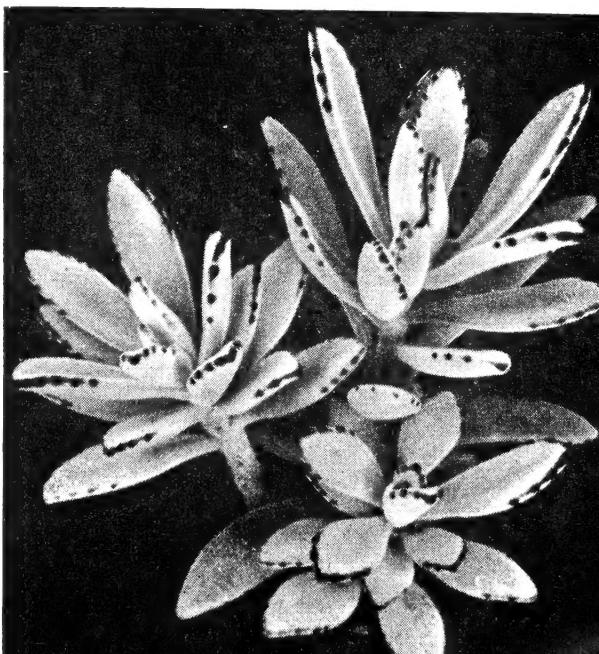
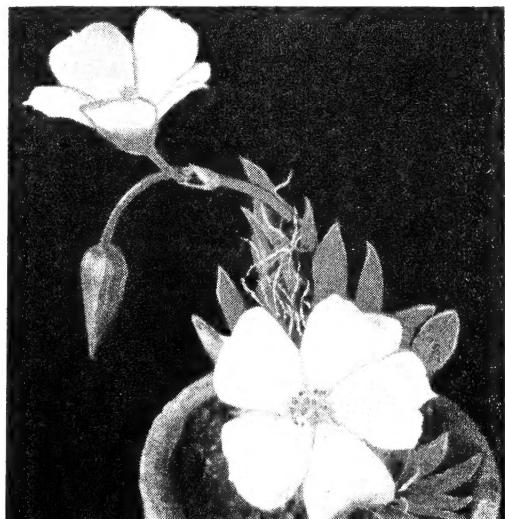
Curious tongue-shaped leaves. Large yellow blossoms in winter. Glottiphyllum linguiforme likes sandy soil and sun. Each.....

25c

PANDA PLANT

An elegant plant, the leaves covered with soft silvery plush, stained at the margins with red-brown. Kalanchoe tomentosa forms a handsome specimen. Likes sandy soil and some sun. Popular. Large, 35c. Each.....

25c



ECHEVERIA GILVA

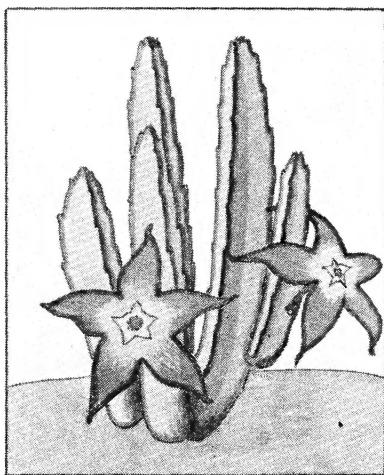
Fine quick growing specimens. Rosettes like big green roses. Eventually form clusters, the little ones crowding about the skirts of the mother plant. A good plant, easily grown, and will do well in shade. A great, old-fashioned favorite. Sandy soil with some leafmold, moderate waterings. Large, 30c. Nice.....

20c



PAINTED LADY

A very popular winter and spring blooming succulent, *Echeveria Derenbergii* grows easily for everyone. The blossoms are orange yellow, borne on short spikes, and several appear on each plant. They make fine specimens, ones you will be proud of. The very pretty white leaves are tipped with red. Likes a sandy soil, moderate waterings, with more in summer, and some summer shade. Charming. Flowering size, 35c and.....

20c

STAPELIA DIVARICATA

A very free flowering species with pretty flesh-pink flowers an inch in diameter. The plants grow in tight clusters, flowering in the autumn and winter. Very light sun and moderate waterings. Flowering size, each.....

25c

Stapelia Cooperi. Three-inch, star-shaped flowers, very handsomely spotted and marked with brown, and lasting several days. A very choice variety of *S. variegata*. Each.....

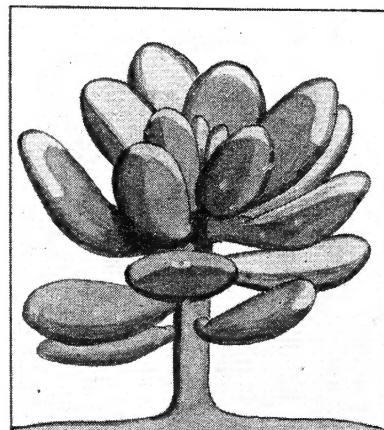
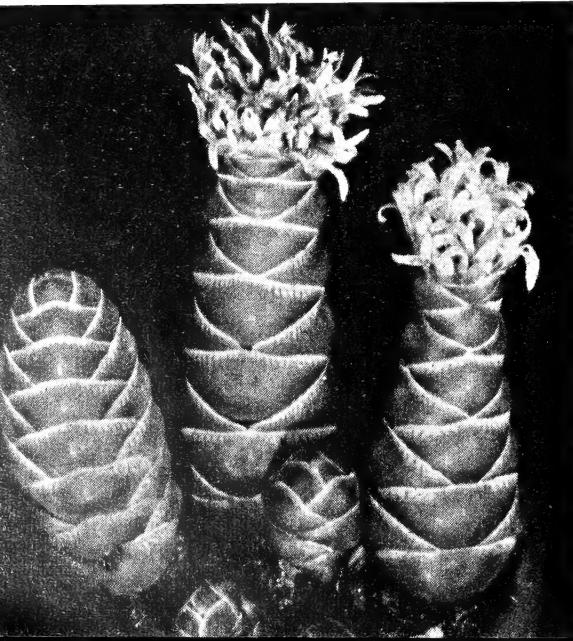
40c

Stapelia angulata. One of the very choicest hybrids, the large leathery flowers red petalled with contrasting central yellow disk. Very scarce. Each.....

75c

RATTLESNAKE CRASSULA

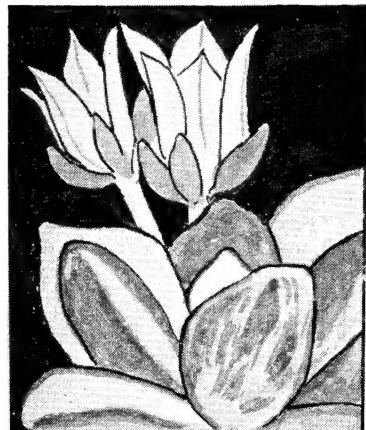
The rare *Crassula teres* is seldom seen except in the choicest collections. It branches freely from the base, each stem eventually terminating in a cluster of white blossoms which scent the room with fragrance. It grows slowly, liking a light soil with some coarse sand. Semi-sun and moderate waterings. Not hard to grow. Branched, 35c. Nice. Each.....

25c

MOONSTONES

The plump white leaves are chiseled from alabaster, their glaucous surface gently suffused with lavender. *Pachyphytum oviferum* var. grows easily and every fallen leaf will make a plant. Does well in shade or sun and thrives on neglect. 25c

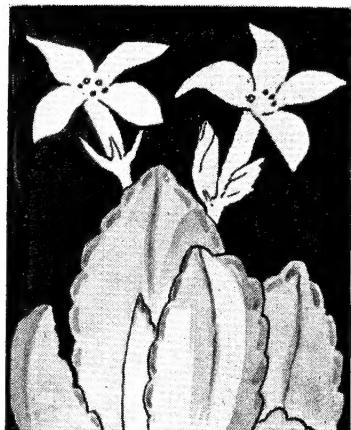
Each 2½ to 3½ inches.....

25c**Pachyphytum sp. nova.** A lovely variety with pink to violet tinged leaves.....**25c**

SILVER CHENILLE

Handsome emerald green leaves with soft white hairs. In winter each rosette bears one or two spikes with a dozen crimson bells which last in perfection for weeks. *Echeveria plumosa* in flower or not is exquisite. Branches freely. Fine 25c

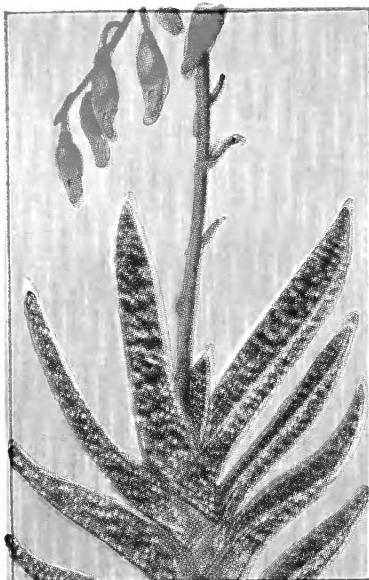
specimens, 35c and.....

25c**Echeveria Doris Taylor.** A lovely white-hairy specimen. Fine.....**25c**

CRIMSON KALANCHOE

Kalanchoe globulifera hybrida

A beautiful pot plant that may be brought into bloom at Easter. The flowers are borne in clusters, are of good size, lovely orange red in color. Blooms over a long period, in fact, several months. A fine florist's plant. It likes a rich soil, partial shade, moderately generous waterings. Pinch top out to make bushy. Fine plants.....

20c

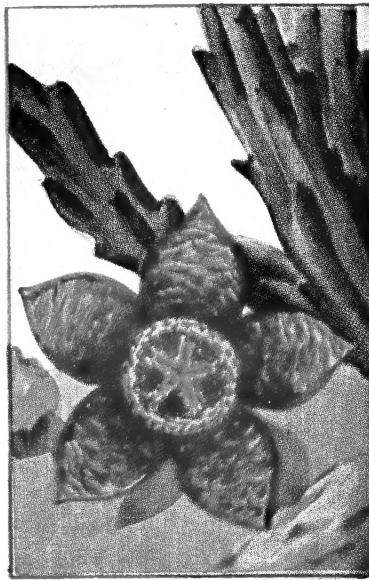
OX TONGUE

The Gasterias are fine, easily grown and long-lived plants. The leaves are spotted with white and some are covered with snowy bosses. They thrive in shade, with sandy soil and moderate waterings. Large, 75c, 50c and.....

25c

Gasteria carinata. A giant species. Fine. Each

50c



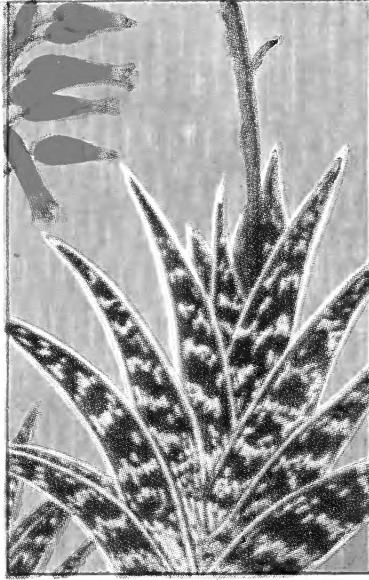
STARFISH FLOWER

This is the most commonly seen of these curious plants. The blossoms of *Stapelia variegata* are 2 inches across, of a peculiar leathery texture, spotted with brown, on a yellow ground. It flowers freely on young growth. Each.....

35c

Stapelia Wilmanae. Large 3-inch jet black bells! Each.....

75c

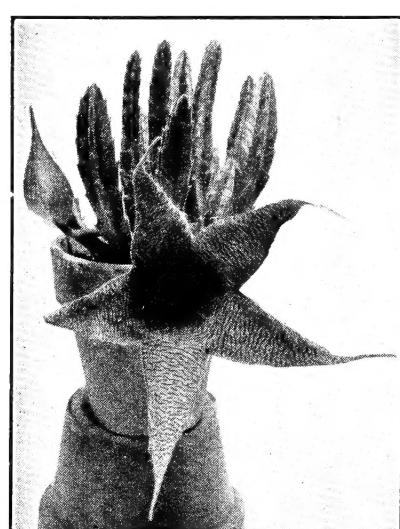


TIGER ALOE

Sometimes called Partridge Breast. An old favorite, handsome and easy to grow. Leaves margined and marbled with white. Fine scarlet flowers in late winter. Very sandy loam and moderate water. 50c and.....

25c

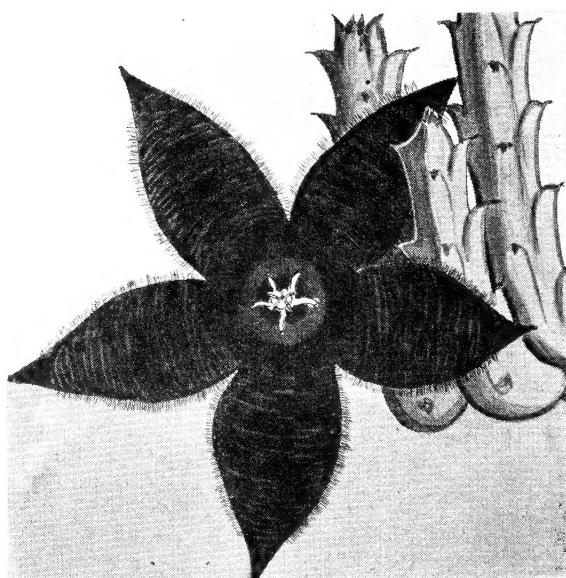
Aloe Dinteri. Very rare. Leaves variegated, flowers pink. Nice. Each.....

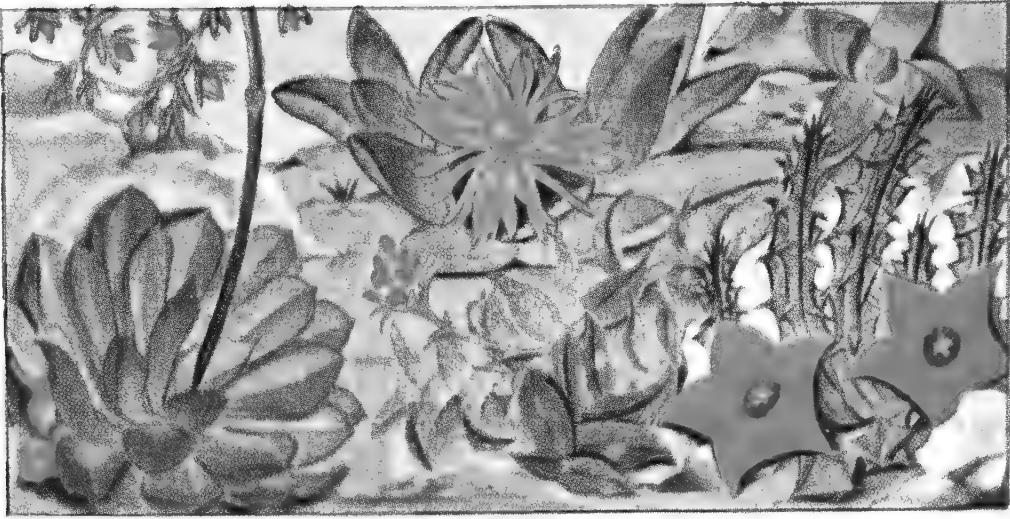
50c

GIANT STAR FLOWER

Stapelia gigantea

One of the largest of all blossoms! Often 16 inches across. Will grow and flower in a 4-inch pot. A native of Africa growing on a sandy veldt, where the huge flowers are spread like handkerchiefs over the tops of the short stems. Sun, sandy soil, moderate waterings. Large, 50c. Nice clusters

35c

**ECHEVERIA NOBILIS**

The Mexican Echeverias like partial shade and thrive in the window garden. This one has white leaves, often tipped with red. Very pretty. Each.....

25c

TONGUE LEAF (Top)

Curious tongue shaped leaves and bright yellow blossoms. From Africa.....

20c

Pussy Ears

The green leaves are covered with white hairs. Flower, bright purple.....

25c

LAMBS TONGUE (Top)

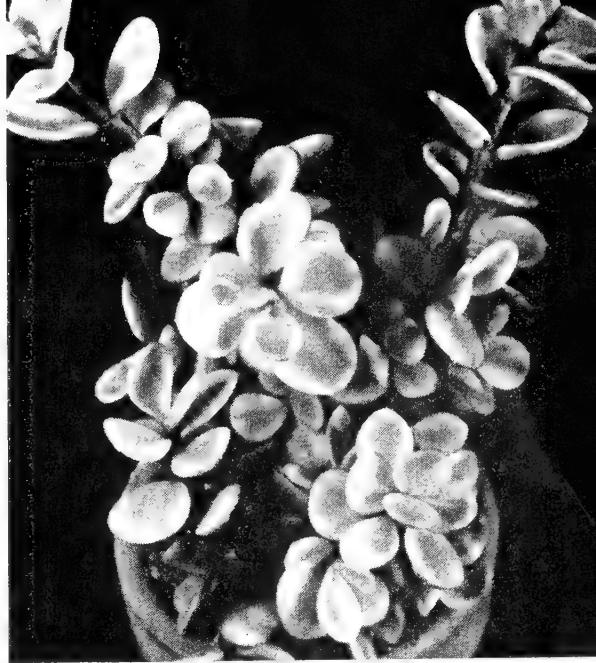
Thick grey-white leaves with minute spots. Flowers bright yellow.....

20c

AMBER STARS

Like the Starfish Flowers, with charming colored bells. Each.....

25c

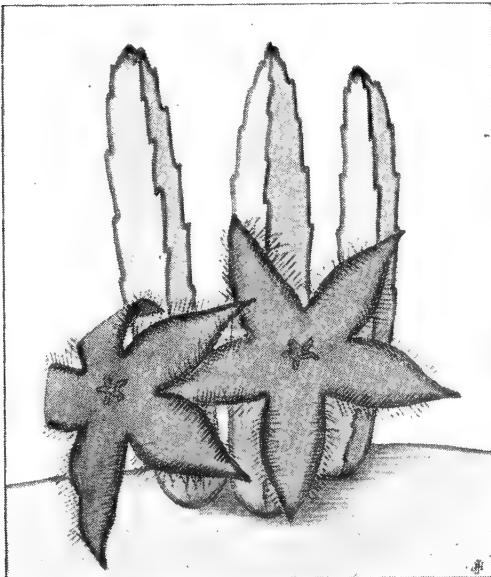
**RAINBOW BUSH**

A handsome rainbow hued plant of yellow, cream, pink and green. Each dainty leaf closely attached to the fat mahogany red, jointed stems. Portulacaria afra variety tricolor will stand out among the plainer greens. Light loam soil and generous treatment. 3 to 5 inches, in pots.....

28c

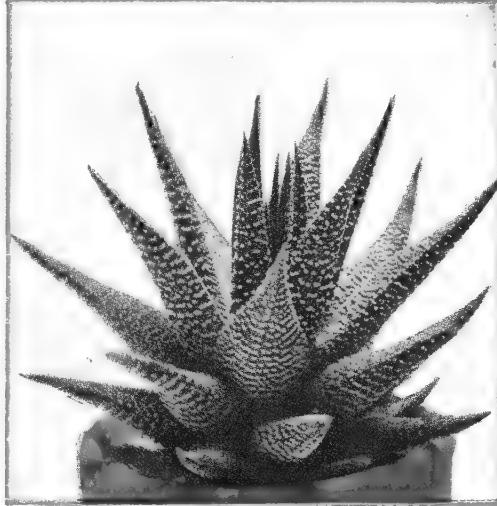
STAR COLLECTION Q8. FIVE PRETTY SUCCULENTS AS ABOVE

95c

**STAPELIA BELLA**

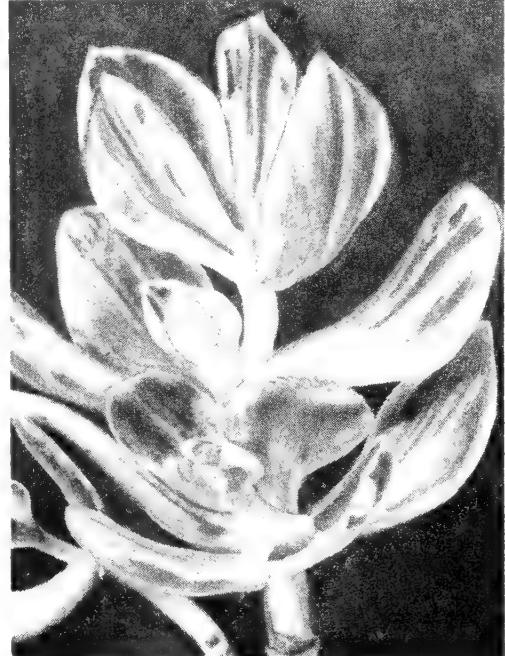
Free flowering Starfish Flower, each petal delicately fringed with soft hairs. Blooms over a long period. Sandy loam, semi-shade. Flowering clusters, each.....

35c

**WART PLANT**

A great favorite and quite deservedly popular. The warts on the leaves are much whiter than shown. Haworthia subfasciata is quite easily grown. They like sand or sandy loam, a shady position and moderate water. Large 2 to 3-inch, 35c. Nice 1½-inch.....

25c

**TRICOLORED JADE PLANT**

A lovely new rainbow-hued succulent here first offered to the fancier. This is a real beauty, growing anywhere and brightening up any group it is placed with. Leaves striped pink, yellow, cream and green. Crassula argentea var. tricolor will grow in sun or shade. Moderate watering. Each.....

50c

ONE OF OUR CACTUS HOUSES

A section of one of our many cactus houses showing how the young plants are grown. This house contains larger seedlings before they are put out in their final quarters. From here they go outdoors in glass covered frames, where they develop their colors and vigorous root systems.

**SOME RARE HAWORTHIAS**

Haworthias for the collector. H. altinea, 25c; H. alt. denticulata, 50c; H. alt. mucronata, 30c; H. atrovirens, 35c; H. attenuata, 35c; H. attenuata argyrostigma, 40c; H. bicarinata, 40c; H. blackbeardiana, 75c; H. deltoidea, 35c; H. Diesiana, 35c; H. Engleri, 25c; H. Haageana, 35c; H. margaritifera granata, 50c; H. minima, 50c; H. planifolia alta, 25c; H. plani. olivacea, 25c; H. Reinwardtii, 35c; H. Reinw. adelaideensis, 50c; H. Reinw. Archibaldii, 50c; H. Reinw. major, 75c; H. Ryderiana, 75c; H. Starkiana, 75c; H. subattenuata, 35c; H. tessellata, 30c.

ODDS AND ENDS**COLLECTION P-19**

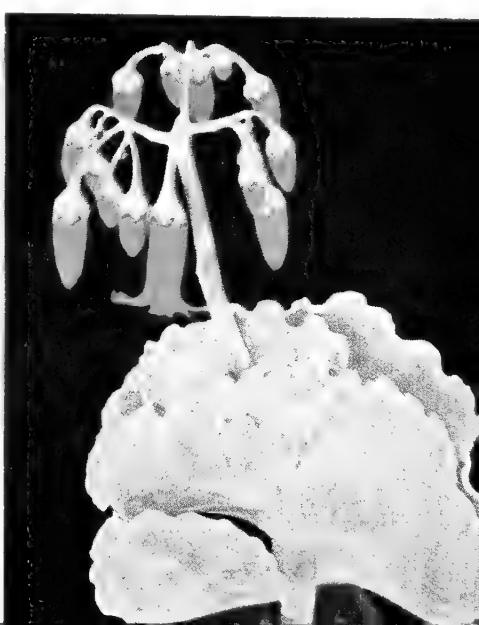
Left over plants from shipping tables. Rather than replant them we offer them at a bargain price. Good clean plants. Collections are never the same.

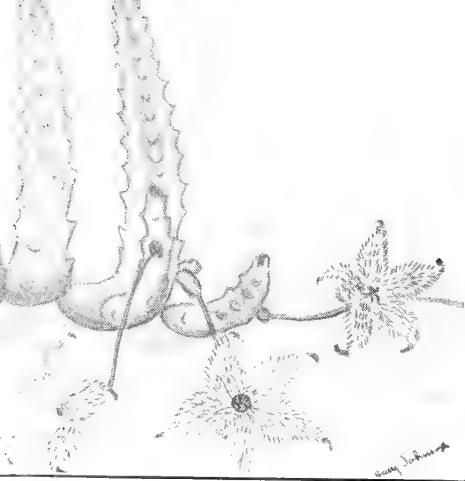
12 different plants.....\$1.50

PLEASED WITH OUR PLANTS

My recent order of cacti arrived safely and I was so thrilled when I unpacked them to find several in bud. They are my first Cacti and I intend to have a large collection. Thanks for the three lovely gift plants you included in my order.

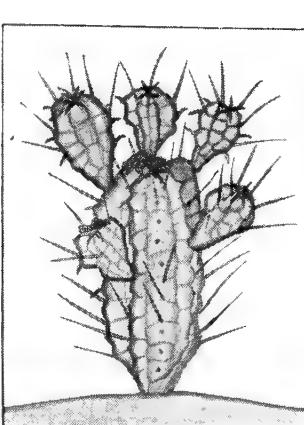
MRS. JAMES C. BARKER



**SNOWFLAKE STAPELIA***Stapelia glanduliflora*

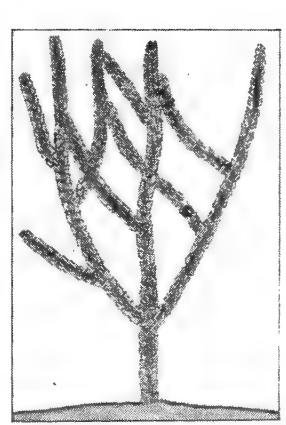
Each miniature star as delicately molded as a snowflake. Everyone admires its dainty tenuity. Every collector will want it. A sturdy but small plant, the feathery white stars produced in considerable abundance, each flower stalk bearing several. A very rare African species. The plants form clusters and do not run over the edge of the pot. Moderate water, sun, sandy soil. Large, flowering, each.....

50c

**FRINGED MILKWORT**

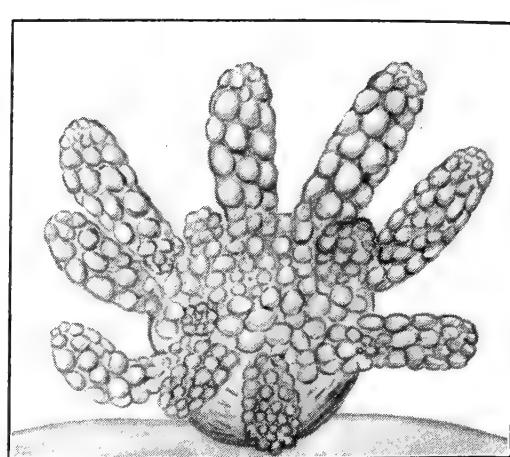
The pretty, tree-like *Euphorbia fimbriata* is a very neat, choice plant. Branches freely. Large, 35c; smaller.....

25c

**PRINCESS PINE**

Every piece of the moss-like *Crassula pseudolycopodioides* will grow. Sun or shade. Very pretty, 18c; Two for.....

25c

**EUPHORBIA CAPUT COMMELINI**

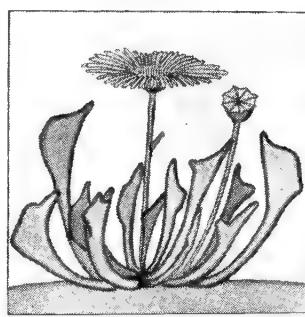
One of the rare Snakes Head Euphorbias. Makes a nice head with very short arms. Likes a sandy or gravelly soil and moderate waterings. Semi-sun. Large, \$1.00; smaller.....

75c

**INCH WORM PLANT**

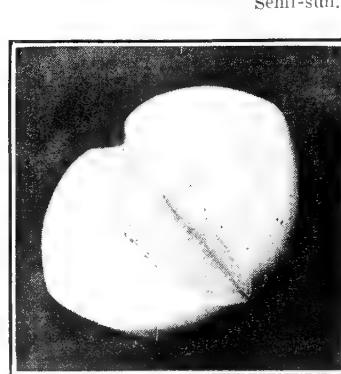
The curious *Kleinia pendula* seems to be undecided as to whether it belongs to the animal or plant world. The stems loop up and down as they go forward just like an inch worm. Sandy soil. Fertilize during summer when growing and water moderately, shading slightly. In winter keep dry. Bears in spring large scarlet blossoms like carnations. Each.....

30c

**MOOSE HORNS**

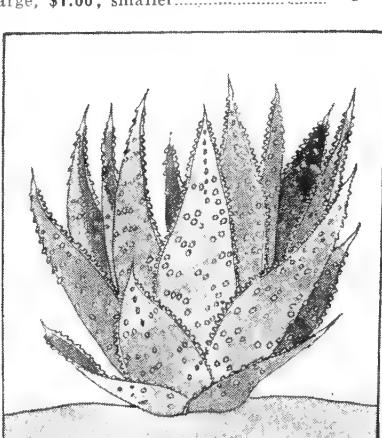
A small plant with odd antlered leaves in a close rosette. In fall *Hereroa Dyeri* bears daisy-like yellow blossoms followed by dry capsules which open up when wetted.....

20c

**SILVER SKIN**

A really fine mimicry Stone Plant, silvery white and bearing charming copper or orange colored blossoms. *Argyroderma testiculare* likes full sun. Fine flowering plants, each.....

25c

**PEARL ALOE**

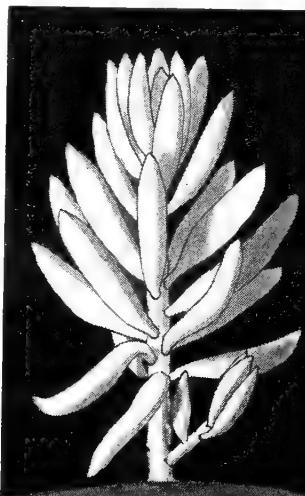
Each leaf is gemmed with tiny seed pearls. *Aloe Bequinnii* enjoys a light loam soil, partial shade, moderate waterings throughout the year. Fine.....

25c

**BURRO TAIL**

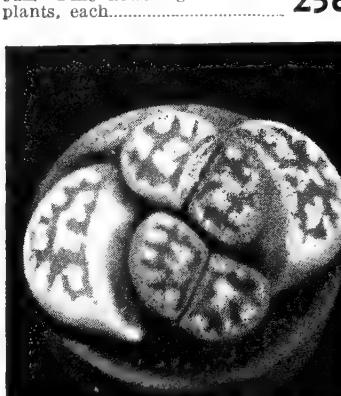
A lovely plant whose lambent, pendulous tassels of palest silver have won it a place in every choice collection. *Sedum Morganianum* is a gem from the mountains of Mexico. The tails may reach 3 feet in length. May be grown in pot on shelf or in a suspended pot. Likes moderate watering and not too much sun. Very easy to grow and everyone succeeds with it. It was found growing on the veranda of a Mexican Indian high in the mountains. With age it forms a glorious specimen, branching freely. Larger, 50c; nice plants.....

35c

**COBWEB PLANT**

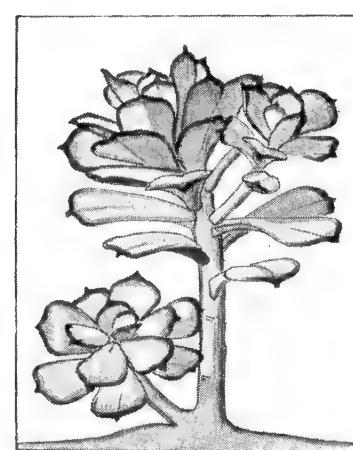
A very choice collectors item. *Kleinia tomentosa* is entirely clothed in a snowy felt of silken hairs. It grows freely in sandy loam in a sunny window. Moderate watering. 5-in., 35c; 3-in.....

25c

**LITHOPS BELLA**

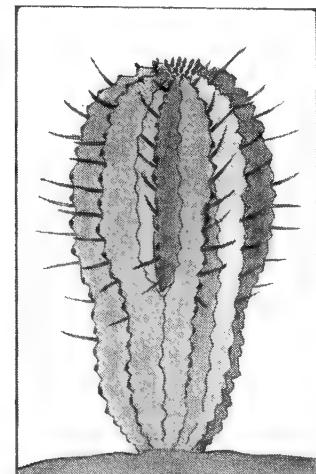
Large white blossoms with yellow center. The windowed leaves are particularly bright patterned. A lovely Stone Face. Very sandy soil, watering only when quite dry. Flowering.....

20c

**DEVILS CLUB***Euphorbia cereiformis*

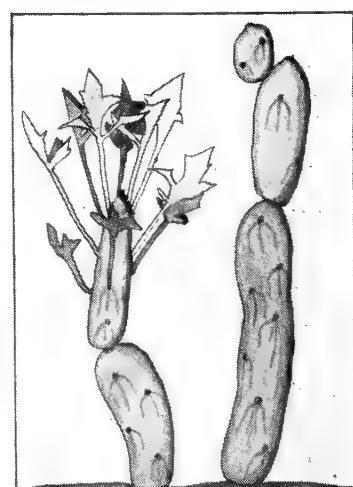
A real miniature tree producing masses of branches and growing freely in sun or shade. Large branched specimens, 50c; 2-3 inch, each.....

21c

**ECHEVERIA MULTICAULIS**

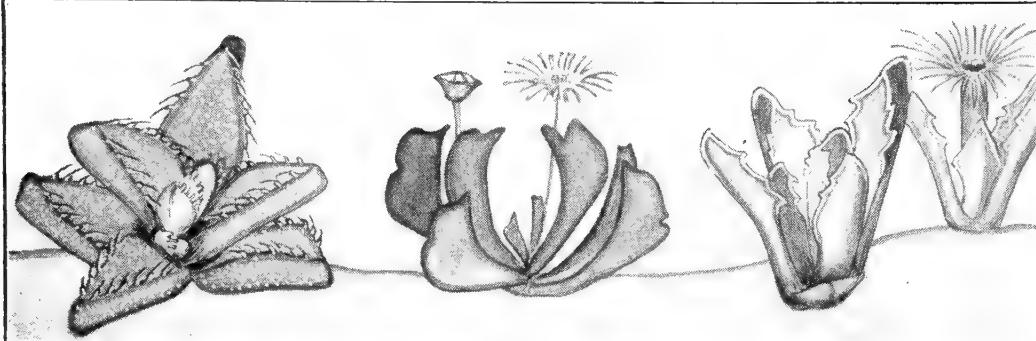
Lustrous green and red leaves particularly bright in cold weather. Likes moisture. Each.....

25c

**CANDLE PLANT**

An old favorite with curious candle-like stems. Every piece will grow. Spiky leaves on young growth only. *Kleinia articulata* grows well.....

20c



RED TIGER JAWS

A new and distinct innovation in Tiger Jaws I recently introduced. The leaves are quite red, particularly in the winter season, and with well developed teeth. Fine flowers and easy to grow. Sun. Flowering.....

35c

SHRINER PLANT

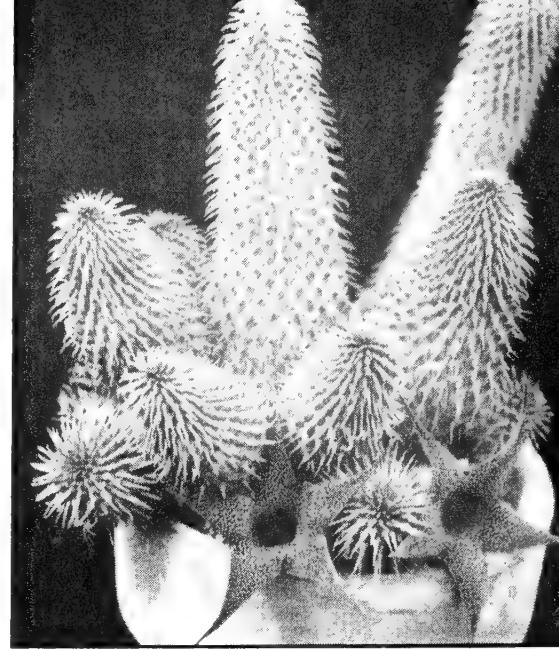
Odd scimitar-shaped leaves. *Hereroa Nelli* was named after a tribe of West African Negroes while specific name honors Dr. Nels, who has contributed much to African botany. Semi-sun, moderate water. Flowering.....

20c

BANDED TIGER JAWS

A charming species, *Faucaria albidens*, has blue-green leaves margined with white. Flowers large and yellow. There are a number of species of Tiger Jaws and a collection of them is very interesting.....

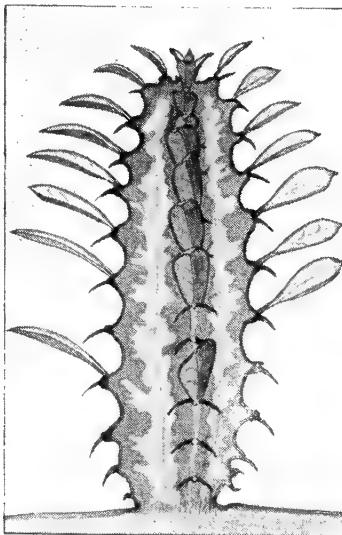
40c



COCKLEBURS

One of the choicest and rarest of Dragon Flowers. The picture shows clearly the habit of *Huernia Pillansii*. Flowers rust red. Pot in quite sandy loam, water moderately when quite dry. Likes plenty of light. Clusters, 50c; smaller.....

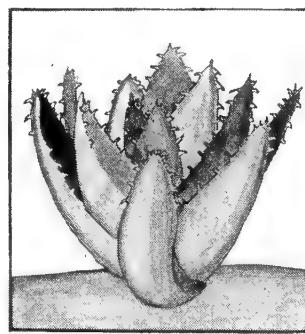
35c



MILK TREE

Every collection should have the quick growing *Euphorbia Hermentiana*. It grows quite tall and branches very freely and soon makes a fine specimen particularly useful to give height to the back of a cactus group. Likes a sandy soil and moderate waterings. Large, 6-10 inches, 35c; smaller, 4-5 inches.....

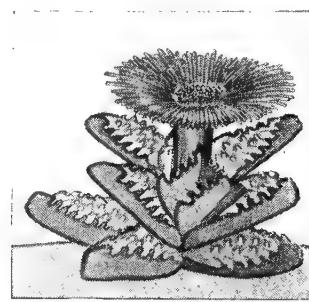
25c



CROCODILE ALOE

The Aloes are strong, healthy plants, and their rosettes of toothed leaves are much admired. *Aloe brevifolia* is pale white, tinged green. Large plants are 3 to 5 inches across. Easy to grow. 25c. Large, 35c. Smaller.....

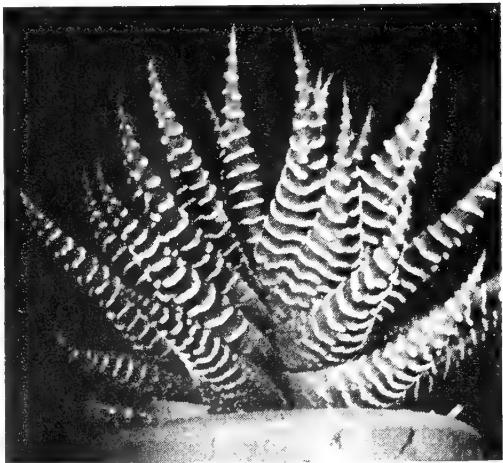
25c



KNOBBY TIGERS JAWS

Each leaf bears tubercles on the upper surface and teeth on the margins. *Faucaria tuberculosa* has yellow flowers. Sandy soil, sun or shade, not too much water. Each.....

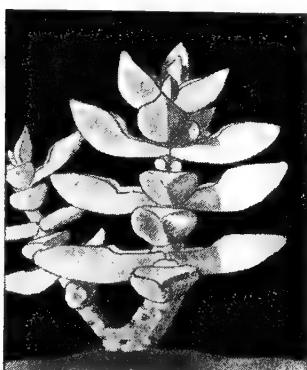
20c



ZEBRA HAWORTHIA

The charming Haworthia fasciata is quite rare and because of the pearly-white lines banding the pointed slender leaves is much sought after. All of the Haworthias like quite sandy soil, in fact, grow splendidly in pure sand if fed our Cactus Food during the growing period in spring. Allow them a dry rest during July and August and in mid-winter. Nice specimens.....

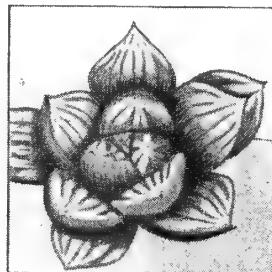
35c



SILVER BEADS

A little branched gem with white leaves and pretty pink blossoms. You will like it.....

25c



WINDOW PLANT

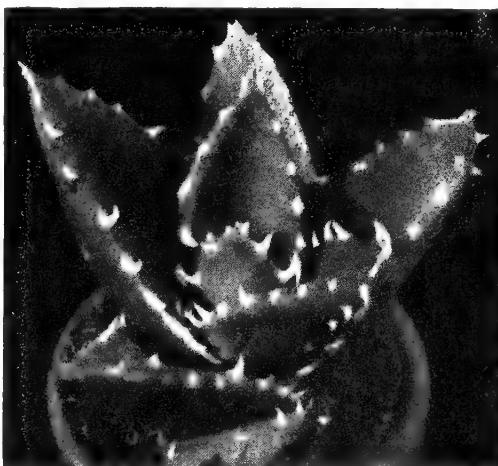
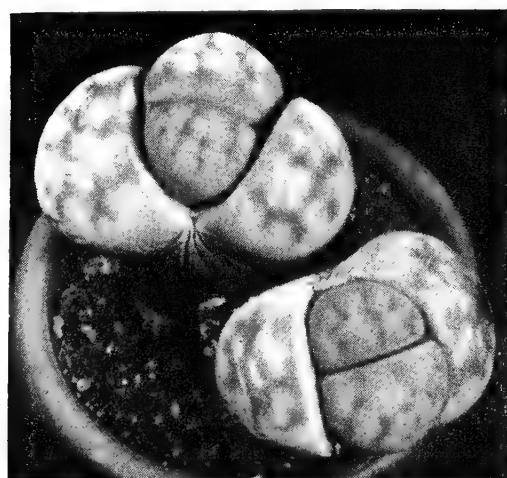
The flat tipped leaves are prettily patterned with translucent panes. *Haworthia cuspidata* with its fresh green leaves is charming. Sand or light loam, semi-shade. 20c. Nice.....

20c

PACHYVERIA GLAUCA

This is a hybrid between *Pachyphytum* and *Echeveria*, the first of numerous such crosses. The leaves are lovely dove-grey with violet and white shading. Sun or shade, moderate moisture. Nice.....

22c



COLD TOOTH ALOE

A popular Aloe with golden teeth and tall spikes of red bells. Mature plants are 6 inches across. With age forms clusters. Sun or shade. 35c and.....

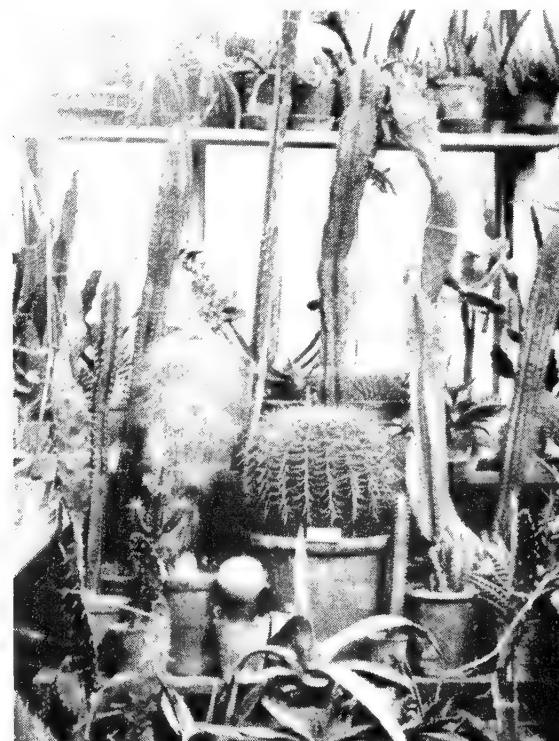
25c

At Left

LITHOPS KARASMONTANUM

The windowed pattern on this Stone Face is of warm brown markings on a beige background. Charming. Flowers pure white. Flowering, each, 35c and.....

20c



EPIPHYLLUMS



AN OHIO COLLECTION

This is the collection of Mrs. Merlin Moore, Shelby, Ohio. Her collection is quite extensive and well cared for, as may be seen; but let her tell about them: "I have 100 cacti now and am awaiting my fourth order from your gardens. They always come through in good condition and are a pleasure to unpack. I might explain my plants are kept in the den, which has south and east windows. There are four boxes across the windows filled with plants. All the plants are labelled with the scientific and common names. I also keep a card index and record any interesting data. It is not necessary to tell you that I get a lot of enjoyment from my cacti."

MRS. M. M. MOORE.

CHOICE SELECTION OF ORCHID CACTI

Our collection of Orchid Cacti is quite extensive. Those listed here are fine, proven varieties that should give you many flowers. Our plants are well rooted generally with one "leaf" with side sprouts, 3-inch pot size. Our special **Orchid Cactus Cultural Folder** tells how to grow them in detail. Price 10c.

SCARLET GIANT. Huge 10-inch blossoms of vivid scarlet orange with tapering petals. Penciled orange center stripe. Each.....**75c**

PEACOCKII. Huge flowers with broad, undulate, overlapping petals opening nearly flat. Outer petals carmine-red shading into brilliant iridescent blue-violet at the throat. Each.....**\$1.00**

Dr. Houghton. Large tri-colored variety. Outer petals crimson-red, inner petals, orange red bordered with bright violet. The throat brilliant electric blue-violet, impossible of description. Scarce. Each.....**\$1.00**

Amber Queen. Shiny red outer petals with waved margins, inner petals orange red shading to yellow. Each.....**75c**

Conway's Giant. Very large flowers with broad crimson petals overlaid with a purple sheen. Vigorous plant. Each.....**75c**

HERMOSISSIMUS. Flowers up to 8 inches with broad full petals brilliant crimson in color, the inner petals orange bordered by violet, the color intensifying toward center. Fine variety.....**\$1.00**

General Garibaldi. Large vermillion red blossoms. A sturdy plant and good bloomer.....**75c**

Hermosus. Large broad petalled flowers. Outer petals deep red with red inner petals shaded with purple and violet.....**75c**

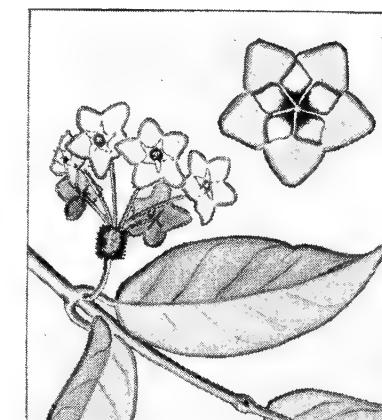
RED ORCHID CACTUS

A pretty and universally planted variety with bright red flowers, the throat a cascade of white stamens. A vigorous grower, often with triangular stems. Very easily grown, liking quite a bit of water and some shade. Each.....**40c**



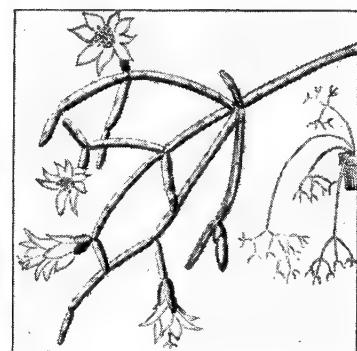
Though not a cactus, it needs the same treatment as the Orchid Cacti. **Hoya carnosa** has exquisite pink, wax-like flowers with shining deep green leaves often mottled with silver. It is a familiar plant to the window garden devotee and always scarce. Moisture and partial shade. 3-inch pot plants.....**75c**

WAX VINE



RICE CACTUS

Rhipsalis cereuscula is an old favorite with arching terete stems, bearing many white blossoms in late spring, followed by white mistletoe-like berries. Likes shade and moisture. Grows easily. Each.....**35c**



AN ORCHID CACTUS

A specimen Orchid Cactus growing in a 4-inch pot. The tallest "leaf" is 15 inches long. Nice freely flowering specimens may be grown in 4 to 5 inch pots or pans in any partially sunny window. Specimen. 12-18 inches. Each.....**\$1.50**

CULTURE OF ORCHID CACTI

In general, they should be treated very much as one would ferns or begonias or even geraniums. This is understandable when one remembers they are **NOT** desert plants but native to the warm upland forests of Mexico and Central America. They enjoy a quite sandy but rich soil from which surplus water quickly drains away. They like plenty of water during the growing season from March to September, never allowing them to become dry. Feeding with Cactus Food greatly stimulates growth and flowering. If possible they like being put out under a tree in summer, where they will make lusty, well matured growth sure to bloom, after the winter's rest, in April, May and June.

A soil of gritty sand, leafmold and light, rich loam in about equal proportions suits them nicely. Do not overpot them. An average plant as shipped should not have a larger pot than 4 inches until well established. Plants always root quicker in small pots where the roots have better access to the air. Winter them in a cool place above 45 degrees.



CHRISTMAS CACTUS Crab's Claw Cactus

The beautiful Fuchsia-like blossoms are seen from December till March, when other flowers are scarce. Easy to grow in light sandy soil, with moderate waterings and shade. A native of the cool Organ Mountains of Brazil, where it grows up in the trees with the Poncirus Cacti. Nice plants, 3-inch and 4-inch, 50c; 2-inch and 3-inch.....**35c**

Joseph de Laet. Handsome. Outer petals scarlet, frilled inner petals scarlet and violet, shading to pale orchid at edges, with salmon center stripe. \$1

PROF. EBERT. A lovely variety with full open flowers of a bright violet carmine. Excellent shape, stems triangular, pale green. A beauty.....**75c**

Sun Goddess. Gigantic flowers of extremely silky texture. Rich burnt orange with dark violet central eye. A handsome plant.....**1.00**

Valencia. Rich burnt orange with lavender tints. A very fine variety.....**75c**

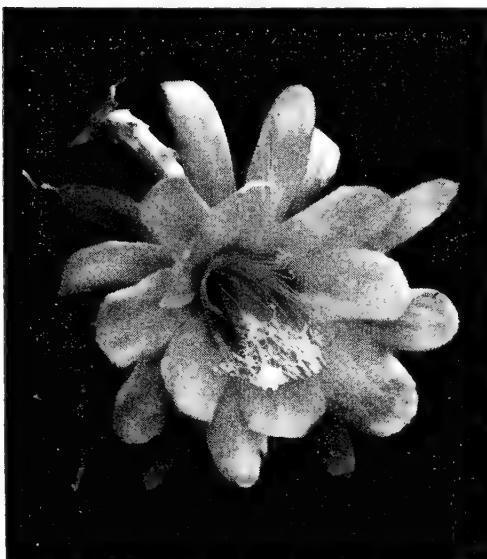
Moonrise. A splendid white blossom opening almost flat. Very free flowering. Each.....**90c**

Oriole. Extremely large flowers, quite cup-shaped, outer petals yellow, inner pure white. Sturdy variety.....**75c**

Strictum. White flowers with very long slender tube.....**50c**

or Orchid Cacti

ORCHID CACTI are amongst the easiest grown of all cacti while their blossoms surpass even the Orchids in their brilliant coloring and size. The huge flowers, like giant water-lilies, are up to 10 inches in diameter. The glowing satiny petals display a rainbow iridescence. Vivid and clear are the shining reds in all shades from scarlet to deep crimson, bright are the pinks, salmon, orange reds, snowy white, white and gold. And more beautiful if possible are the bicolors with scarlet outer petals and effulgent violet throats.



AGATHA

This is a singularly beautiful variety with perfectly formed blossoms. The color is a rich warm pastel pink difficult to describe, the center having an eye of darker red-pink. The petals are of a lovely satiny texture. A sturdy short stemmed variety and free in bloom. Each.....

75c

RAINBOW COLLECTION

COLLECTION Q15

3 Beautiful Orchid Cacti particularly selected for their brightness and long blooming season. A fine group to start with. These or similar varieties our choice:

GLORIA. Bright red.

AGATHA. Warm pink.

PEACOCKII. Bicolor carmine and violet. Three choice varieties postpaid.....

\$2

PADRE. Waxy bell-shaped, warm pink blossoms of elegant form. Extremely free flowering.....

75c

Argus. Clear pink blossoms deepening to a rosy blush at the center. Handsome.....

75c

LATONA. Many petalled flowers of rose pink tinged with violet. Broad overlapping petals informal shape. Very handsome and extremely free flowering

75c

MISTLETOE CACTUS

A compactly branched plant, Rhipsalis mesembryanthemoidea has white flowers and mistletoe-like berries. The short joints have slightly woolly areoles. Likes some shade and generous waterings. Each

35c



GLORIA (Two-fifths Natural Size)

A magnificent variety with gorgeous flame colored flowers 9 inches across. Its season of bloom is one of the longest flowers, being found from April till August. Very easy to succeed with, always moderate in size. I think it one of the most outstanding varieties and recommend it to my patrons. Plants each.....

75c

SCHEHERAZADE. Large flowers of clear pink. Each day the flower deepens until it becomes magenta pink. It is a reliable bloomer of neat habit. Each

75c

Magnolia. Large white cup-shaped flowers. Fragrant

90c

Sacuntala. Narrow striped petals, terra cotta to orange, edged with carmine.....

75c

Mons. Jolibois. Handsome red petals, edge purple

75c

THANKSGIVING CACTUS

A hybrid Christmas Cactus with salmon pink blossoms borne in November and December. Pretty and choice with same shaped flowers and stems. 75c, 50c and.....

35c

RHIPSALIS

We have a good collection of these scarce plants. **Rhipsalis capilliformis.** Intricately branched, 40c. **R. grandiflora.** 75c. **R. pachyclada.** 40c. **R. pachyptera.** 50c. **R. paradoxa.** Link Cactus. Very odd. Fine, 50c. **R. pentaptera.** 75c. **R. rhombaea.** Undulate joints, 40c. **R. teres.** Long stems.....

40c

Chiapasia Nelsonii. Rare

\$1.00

Hatiora salicornioides. Spice Cactus, 50c. **S. bambusoides**

75c

SNOWDROP CACTUS

Rhipsalis Houlletiana

A lovely and graceful epiphyte from Brazil, where its arching stems gemmed with white bells lighten the forest gloom. An old favorite but always scarce. The stems are long and slender with flat leaf-blades. Likes shade and moisture.....

50c



EMPRESS

The loveliest long-keeping pink blossoms imaginable. No spines. Beautiful in corsages. An old favorite in window gardens, where it thrives, producing a fine display of the daintiest pearl-pink blossoms. Flowers last for weeks. Likes a light sandy loam with leafmold and sand. Partial shade with moderate to generous waterings. Each.....

75c

Pink Nymph. Warm rosy-pink flowers with widely overlapping and distinctly ruffled petals. Very pretty

75c

Madame Sallier. Light flesh-pink flowers with darker stripe in center of each petal.....

75c

Flamingo. Large trumpet shaped flowers of burnt orange tinged with pink deepening to magenta at the center.....

75c

Lohengrin. The large flowers open clear pink with age deepening to magenta.....

75c

Pink Gloria. Clear pale pink with nearly white center. Lovely blossom

75c

Livingston. Carmine flowers shading to lavender with deep pink stripe. Each.....

75c

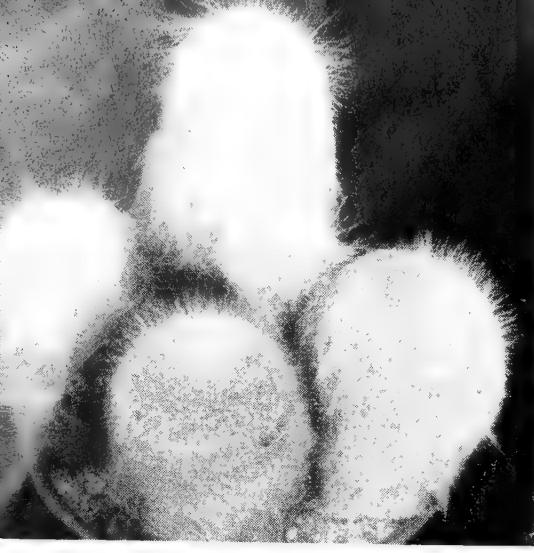
Phyllanthoides grandiflora. Large carmine-red flowers, inner petals lavender edged with orange

75c



Mamillarias

or Pincushion Cacti



OLD LADY CACTUS

The long silken tresses of this superb species place it in a class by itself. The snowy white hair increases in length and thickness with age. *Mamillaria Hahniana* is always a show specimen and always attracts attention. Quite easy to grow. Likes a light position and moderate watering. 1½-2 inches. 85c.

50c

MAMILLARIAS

GENERAL COLLECTION

Our collection of *Mamillarias* is quite extensive. Those listed here are all well worth growing. It is not possible to illustrate them all so you will find some of the prettiest in this list. Later we will put out a specimen list

Mamillaria angularis. A handsome species with much white wool in the flowering axils. Large red flowers, 3½-4-inch clusters, \$1. 2-inch 50c

Mamillaria angularis longiseta. 2-inch, 75c; smaller 35c

Mamillaria arida. Lower California 50c

Mamillaria Bachmannii. 1-inch 35c

Mamillaria balsasensis 75c

Mamillaria bocasana. See next page. Large clustered, 75c; large 50c

Mamillaria Brandegeei. Rare 50c

Mamillaria Bullardiana. Rare. Very pretty hook spined species. Slender, tall and much branched. Fine 4-6 inch clustered specimens, \$1; smaller 50c

Mamillaria calacantha. A lovely species with yellow spines and vivid red flowers. Large 3-inch flowering specimens, \$1; 2-inch, 50c; small 25c

Mamillaria carnea. A fine vigorous species, pale green, with darker spines and pink blossoms. 3-inch, 75c; small 25c

Mamillaria carnea rosea. Vigorous growing, 50c and 25c

SILKEN PINCUSHION

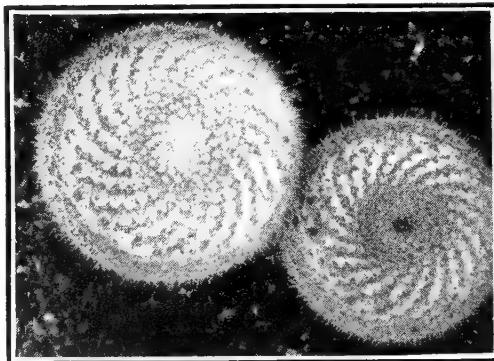
Mamillaria bombycinia

Perhaps the loveliest of all *Mamillarias*, certainly one of the most sought after. Its handsome lacy spine pattern is exquisite in its perfection. Each nipple is tipped by a star of 30-40 white radial spines with one longer red-tipped, hooked central. Between the nipples is white wool, the crown a snowy mass. Lovely pink blossoms. Large, \$1.50 and \$1. Nice..... 60c

MAMILLARIA POLYTHELE

A popular tall growing variety with few spines, often with only two. Flowers carmine red, abundantly produced throughout the summer. 2½-3 inch. 50c. Smaller 25c

THE MAMILLARIAS are the queens of the cactus family. They are all very neat and beautiful and there are innumerable kinds to meet every fancier's taste. All have lovely spine patterns and none bear wicked spines. The blossoms of many are bright and quite a few flower during the dull days of winter. To see one the white crowned species bearing a diadem of vivid ruby-red blossoms is a plant lover's treat. Some bear golden spines, others snowy white ones so close and intricate as to be pure white globes. Some are red tipped, others are hooked or almost black. Some species form great clusters of scores of heads, others a few youngsters around their skirts, while some are solitary, seldom producing offsets. Some are like puffs of cotton, the silky hairs covering the plants; some bear feather-like spines and some have long white hair like the Old Man Cactus. All are easy to grow and all are small enough, even when mature, for the window garden. Most of the finer ones are from the mountains of Mexico, though their range is from the South Western States through Central America to Venezuela. They grow from the bluffs on the seacoast to the high interior plateaus, some hiding at the base of shrubs, others seeking exposed, sun-drenched outcroppings. It is surprising how nature produces so many variations on a single theme. Certainly in the Pincushion Cacti she has extended herself.



DIADEM CACTUS

Mamillaria Werdermanniana

Don't fail to have this lovely winter flowering cactus. The bright red flowers are a beautiful crown nestling among the white hair and spines. They flower in late winter and always attract the greatest attention among our visitors. We have an especially fine lot of 3 and 4 year old specimens. Flowering, 50c, 35c and 25c

Mamillaria centricirrha rosea. 2 and 3 inch specimens, \$1; smaller 25c

Mamillaria chinocephala. A beautiful white spined species of caespitose growth forming graceful clusters. 2-3 inch flowering \$1

Mamillaria compressa. I have some very fine specimens of this grand species. 2-3 inch single heads 50c
Clusters of several heads \$1 to \$2.50

Mamillaria compressa superba. A fine variety with long white spines. Choice branched specimens \$1.50

Mamillaria confusa. A very pretty species with pale straw-yellow flowers. 2-inch flowering, 50c; nice 25c

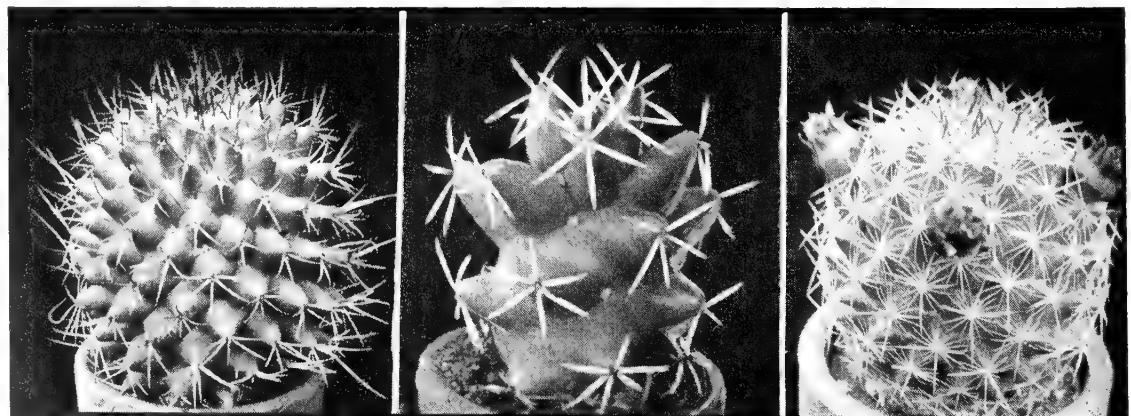
STAR PINCUSHION

Coryphantha clava is remarkable, with white spine stars tipping each nipple. Very easy to grow and flower. It makes a handsome specimen growing to a foot in height and branching freely. Large specimens, 6-7 inches. 75c; 4-5 inches, 50c; smaller, 35c and 25c

25c

MAMILLARIA WEISINGERI

A lovely specimen plant of neat appearance. Quick growing, shortly forming a nice specimen crowned by a chaplet of ruby red flowers. 3-4 inch specimens, \$1.00. Smaller, 50c and 25c



CULTURE OF MAMILLARIAS

MOST of the Mamillarias thrive under much the same treatment in the window garden. They like plenty of light and fresh air. A daily airing of the room is helpful whenever outside conditions make it possible. However, cacti will thrive under conditions which would kill most house plants. Common sense and avoidance of extremes are one's best guides.

Mamillarias with green stems and darker spines are the most vigorous growers. Those with white, closely set spines seem to come from the driest regions and often from limestone country. For this reason we recommend a quite porous soil with crushed egg shells or old plaster or limestone grits, such as is fed to chickens, to supply the lime. However, all varieties like the lime. Our **Soil Conditioner** is useful and our **Cactus Compost** needs only the addition of loam and sand to make a perfect cactus soil. You will find our Compost exceedingly economical, as one 75 cent package will make 6 to 10 quarts of excellent compost.

Mamillarias will grow in almost any soil, but for the expert who likes to take pains we recommend 2 parts gritty sand, 1 part sandy loam and 1 part leafmold or Cactus Compost with a sprinkling of limestone. Some like to add either bricks crushed to the size of peas or charcoal with the intention of keeping the soil open and "sweet." Their growing season is from April till fall, when they may be watered whenever dry, particularly if they have plenty of sunlight. During the winter when dormant less moisture is needed. If placed outdoors in summer they will show their appreciation by vigorous matured growth.

Mamillaria fuliginosa. Tall growing, solitary, stem dark green, spines dark, flowers red. 2-inches. 2 to 3 heads, 75c; singles, 50c; small.....**25c**

OWLS EYES

Short pure-white spines. The heads divide into 2 to 3 or 4 heads, thus making a most interesting specimen. **Mamillaria Parkinsonii** specimens, 4 heads, \$1.00; 2 to 3 heads, 75c; singles, 50c; small.....**25c**

Mamillaria fuliginosa. Tall growing, solitary, stem dark green, spines dark, flowers red. 2-inches. 2 to 3 heads, 75c; singles, 50c; small.....**25c**

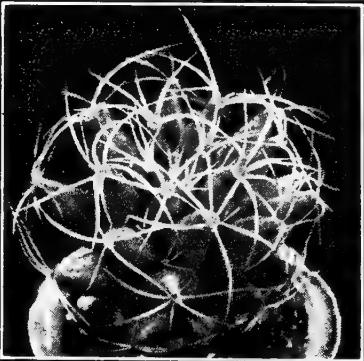
Mamillaria Galeottii. A very distinct and handsome variety with long curved amber spines and orange red blossoms. Large 4-5 inch specimens, \$1; nice 1½-inch. **.25c**

Mamillaria Guelzowiana. Handsome. Very rare. Nice.....**\$1**

Mamillaria Guerrerensis. A rare white spined species. 1½-in.**.35c**

Mamillaria Gigantea. A very large growing species, 6-8 inches in diameter. 4-5 inch, \$1; 3 inch, 50c; nice plants**.35c**

Mamillaria Hamilton Hoytiae. A rare and brilliant carmine-red flowered species. Large blooming size, 2-3 inches**.50c**



BIRD'S NEST

Mamillaria camptotricha

Feathery yellow spines that are papery soft and harmless. The plant is much given to clustering young plants pushing out from the sides. Flowers pale yellow. Likes moisture. Large flowering clusters, 3-4 inch, \$1.00; 2-inch, 50c. Nice.....**25c**

Dear Mr. Johnson:

I have had very good luck with the cacti received from you. They arrived in excellent condition, regardless of the cold weather. The Giant Starfish Flower has bloomed every fall for the last three years. The flowers are sixteen inches across. Am looking forward to ordering more in the future.

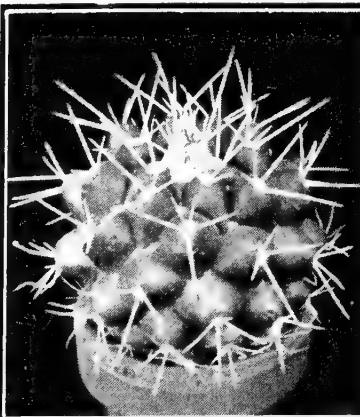
Sincerely yours,
MISS IRENE WAGNER.

Creekside, Pa.

MOTHER OF HUNDREDS

Mamillaria compressa

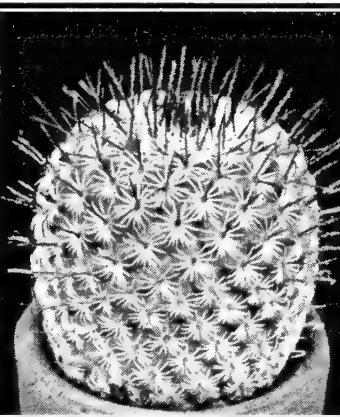
A pretty variety with white spines and brilliant ruby-red flowers imbedded in masses of white cotton, giving the plant the appearance of being covered with snow. It eventually branches forming close packed mounds with scores of heads. Flowers in winter. 2-inch, 50c; small.....**.30c**



VAUPEL'S PINCUSHION

Mamillaria Vaupelii

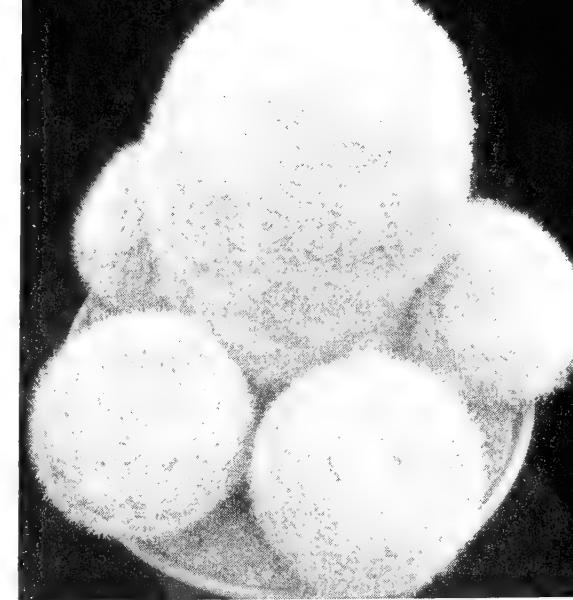
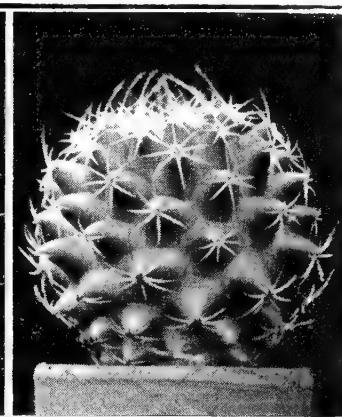
One of the prettiest of the smaller, richly colored Pincushions. Beautiful when the sun is shining through the glossy amber spines! The plants are solitary and may eventually reach 3 inches across. Flowering, 3-inch, 75c; 2-inch, 50c; small.....**.25c**



PINCUSHION

Mamillaria kewensis

A rapid growing species of which our customers write it often reaches a foot in height in 3 or 4 years. With age the upper plant is covered with white wool. Blooms freely with crimson flowers. 1½-2 in., 35c; 2½-3 inch, 50c; fine 1-inch**.23c**



SNOWBALL PINCUSHION

Mamillaria candida

An exquisite plant of purest white, the tips tinged pink at times. Always scarce, these specimens were imported. All are mature plants without a blemish. Large 3-4 inch flowering specimens, \$1.50. Handsome 2-3 inch beauties, each.....**\$1**



Pocatello, Idaho.
February 21, 1947.

Dear Sir:

Here is a picture of my cactus collection. I now have 150 varieties. Of all the ones I have received those from your gardens are by far the most healthy and vigorous. I have had quite a few blossoms the past two years since I have hardened my heart and withheld water so that they could have their needed winter rest. My Aloe, Rebutia and Epiphyllum are now in bloom and the mimicry plants are busy with their fascinating yearly change. I'll take Cacti for my hobby above everything else.

MRS. SAXON B. OLSEN.

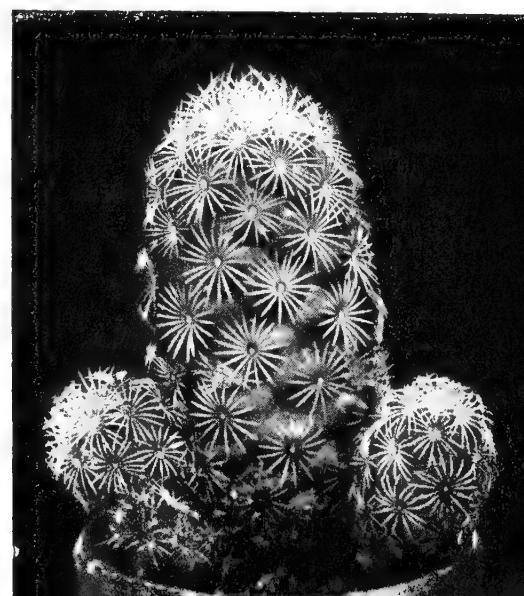
CACTI AND SUCCULENTS

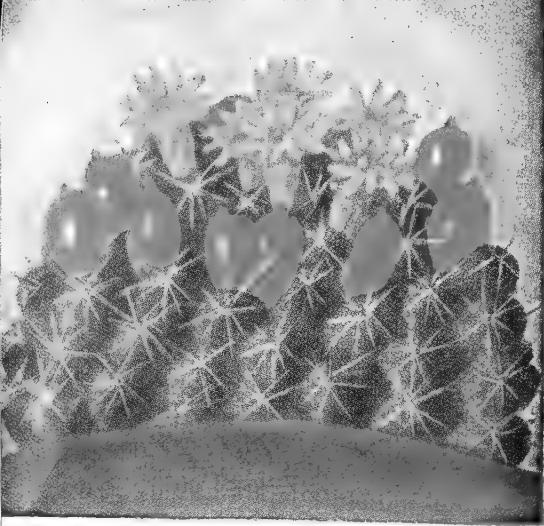
And How to Grow Them

A splendid booklet explaining the care, watering, propagation, grafting, seed sowing, etc., of both Cacti and Succulents. A good practical guide to success. It's a book every cactus grower should get with his first order! Fully illustrated. Sixty-eight pages. Postpaid.....**.50c**

GOLDEN STARS

The lovely, popular **Mam. elongata** should be in every collection. Each nipple tipped with a shining golden star. Young plants are soon formed in abundance about the base. When mature it may be 6 inches tall and have 100 arms. Sandy soil, partial shade. 7-12 heads, 50c; 3-5 heads, 35c; beginning to branch.....**.23c**

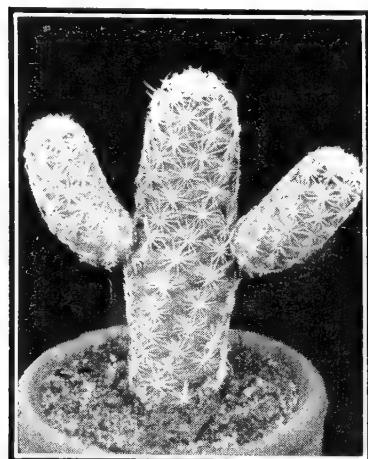




CORAL CACTUS

The Coral Cactus is one of the prettiest of all, with its circlet of coral red berries and charming cream flowers. The berries burst forth ripe and scarlet, taking only a day or so to appear, as they mature within the plant from the earlier blossoms. Grows easily, fruits profusely. Mature 2-3 inch fruiting specimens.....

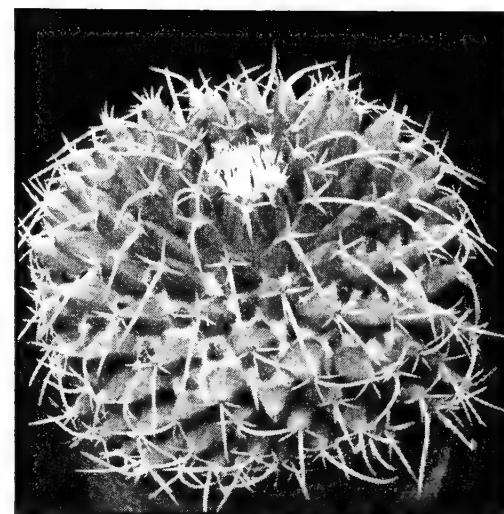
50c



JELLY BEANS

A cute new variety of the Thimble Cactus, Mam. fragilis minima, with finer spines and many branches, each of which will grow.....

22c



BIRDS FOOT PINCUSHION

Mamillaria centricirrha

A lusty species from the high tablelands of Mexico. Flowers cream, striped with pink, in March. A quick, easy grower and free bloomer. Single heads reach 3 to 4 inches in diameter and with age form clusters. Large flowering, 3-4 inch, \$1; 2-inch, 50c; smaller.....

23c

Mamillaria macrantha. Large red flowers

25c

Mamillaria magnimamma. Large nipples.....

50c and 25c

Mamillaria Pringlei. Golden yellow

50c

Mamillaria Pringlei columnaris. 1½-2 inch

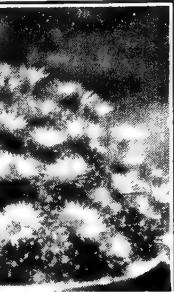
50c

Mamillaria perbella. White spines, 1½-2-3 eyes, 40c; smaller

25c

Mamillaria Pfeifferi. Fine yellow spined species. Choice. Small

25c



BUTTER PINCUSHION

Lovely shining yellow blossoms. Doliocthele sphaerica bears long soft green nipples which will grow if planted! Flowering size.....

35c

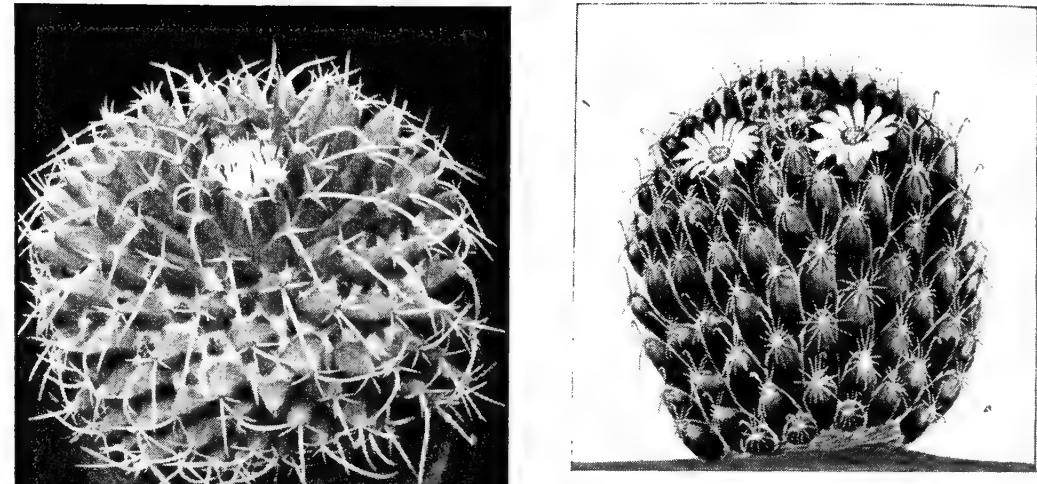
FROM HAWAII

Gentlemen:

Received the cacti I had ordered from you in excellent condition. I was surprised and pleased, as Hawaii is such a distance from California. They were so nice and large and healthy looking. I want to thank you for the gift plants and for labelling them.

MRS. IRENE N. FURTADO.

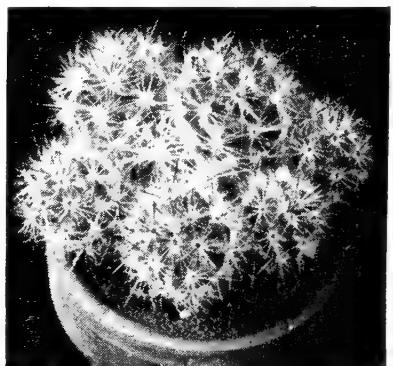
Waiakea, Maui, T.H.



MORNING STAR CACTUS

A free flowering plant. Grows easily, making a pretty specimen. Seed pods bright red. *Mamillaria pygmaea* is one of the group, with fat stubby roots. Partial shade, moderate watering. The central spine of each cluster is hooked. Nice.....

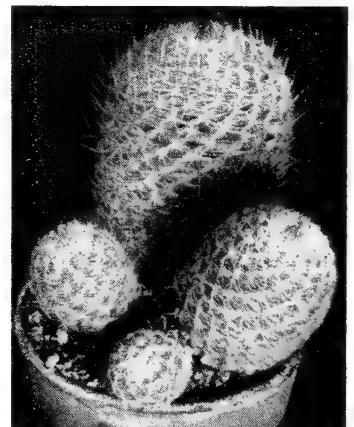
25c



GRAPE CACTUS

A dainty little cactus bearing an endless number of "pups," each one of which will grow. Your friends will enjoy growing a youngster. Clusters seldom exceed 2 inches. *Mamillaria multiceps* is very easy to grow. Sun or partial shade, moderate waterings. Cream colored blossoms followed by scarlet seed pods. Clusters.....

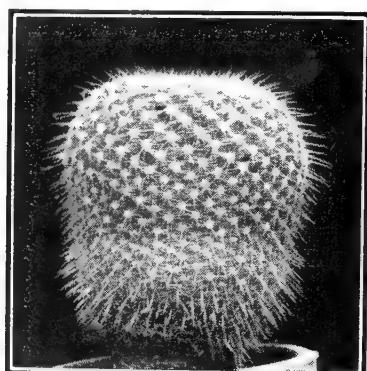
20c



MAMILLARIA DEALBATA

A handsome species with pure white spines bearing crimson blossoms in April, followed by scarlet pods. You should have this in your collection. Likes a sunny position with moderate waterings. Fine 2½ to 3-inch flowering, 75c; 2-inch, 50c; nice bright 1½ inch.....

35c



MAMILLARIA MARTINEZII

Handsome pale yellow spines, flowers bright red in beds of white wool. You will like it. 3-inch flowering, \$1. Fine plants.....

35c



PEANUT CACTUS
Nice plants. 25c.

PINCUSHION
Pretty. 25c.

BIRD'S NEST
Yellow spines. 22c.

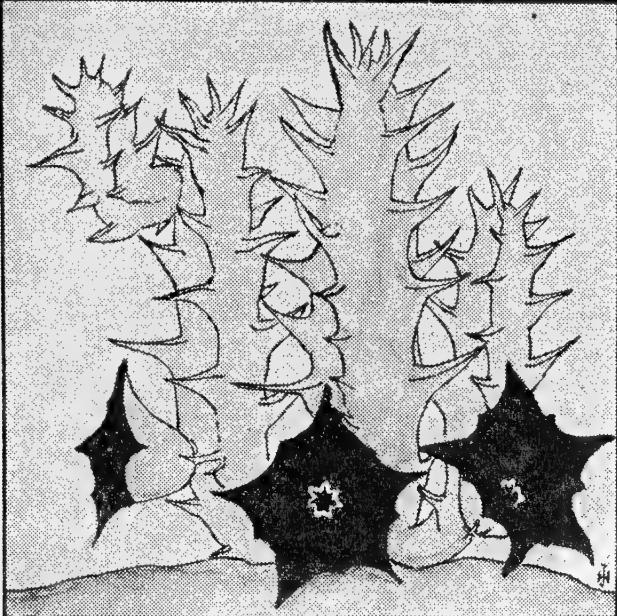
RED DRAGON FLOWER
Curious. 20c.

XMAS CHEER
Red Tipped. 20c.

FLOWERING PINCUSHION
Handsome carmine red flowers. 25c.

CURIOSITY COLLECTION No. Q9. The above 6 plants. You will enjoy planting this attractive group in a pot or bowl for a cheerful breakfast nook. All six.....

\$1.10



BLACK DRAGON FLOWER

The fascinating easily grown *Huernia Pensigii* bears pretty black bells all summer long. It is found in South Africa. It quickly forms nice small clusters. Likes sandy soil, moderate water, and in summer more. Clusters, 35c and.....

20c

CACTI SEED

Cacti grow readily from seed which germinates in from 7 to 30 days, depending upon heat and moisture conditions. You will enjoy trying your hand at growing them. Fresh seed from our own plants. Full planting instructions with every order.

MIXED CACTI SEED

Contains more than 20 kinds, including *Mamillarias*, *Cerei*, *Echinopsis*, *Piptanthocerei*, *Trichocerei*, *Cleistocacti*, *Echinocereus*, *Echinocacti*, etc. Fresh seed. You will have fun growing them. Per packet.....

50c

DE LUXE MIXTURE

Superb mixture made up of over 75 species of cacti and succulents. There are no weedy species included. Many are rare kinds collected from our own plants. All cacti seedlings are pretty and many bloom within two years. Put up in two packets of fine and coarse seeds. The collection.....

\$1.00

MIXED LIVING ROCK SEED

There are many kinds of Living Rocks and we have one of the finest collections in this country. All seeds are grown by us. *Pleiospilos*, *Dinteranthus*, *Lithops*, *Lapidaria* and many others are included in this selection. Per packet.....

50c

The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. This new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand, thus at once preventing any possibility of over watering. This is of particular interest to collectors where warm, dry or sunny weather is at a premium. Many choice or difficult plants thrive under this treatment for cactus roots, when well fed, enjoy spreading in the air-filled sand.

VITAMIN B-1

Wright's B-1 Tablets
For use in any Soil

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on Cacti reports wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting. We use it regularly at our nursery.

Each tablet makes 1 to 2 gallons of solution. 150 tablets, with full instructions.....

50c



PLANT-CHEM SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a healthy, vigorous, normal growth. Contains, in scientific proportions, the thirty chemicals needed in the growth of all plants.

16-gallon package, post-paid 30c
100-gallon package, post-paid \$1.10
400-gallon package, post-paid \$2.10



JOHNSON'S SAND CULTURE KIT

COLLECTION H-23

Complete instructions on growing Cacti and Succulents in sand with nutrient solutions. Simplifies watering. Makes the most difficult desert plants of easy culture. Particularly useful where winters are long and damp.

12½-gallon package Plant-Chem, 150 tablets Vitamin B-1,
1 bottle Johnson's Cactus Food—All Postpaid.....

\$1.10

MINIATURE CACTI SEED
A choice mixture of the finest toy cacti, including rare *Parodias*, *Notocacti*, *Gymnocalycium*s, *Mamillarias*, *Echinopsis*, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting. Per packet.....

50c

CHOICE SUCCULENTS

A fine mixture containing many rare species of *Mesembrianthemums*, *Crassulas*, *Cotyledons*, *Echeverias*, *Anacampseros*, *Aloes*, *Gasterias*, etc., from our huge collections. All collected from our own plants. Many interesting things. Per packet.....

50c

MIXED PINCUSHION SEED

Mamillarias are one of our specialties and this mixture contains a very pretty and representative group. They germinate readily and can be flowered in two years. You will enjoy them. Per packet.....

25c

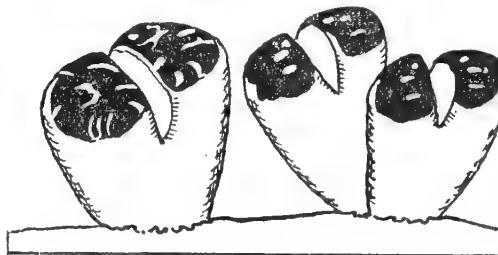
STONE FACES MIXED SEED

The Stone Faces or Lithops are the prizes of every collection. These handsome, interesting and entirely novel plants germinate quickly. You will have seedlings in two weeks! Per packet.....

25c

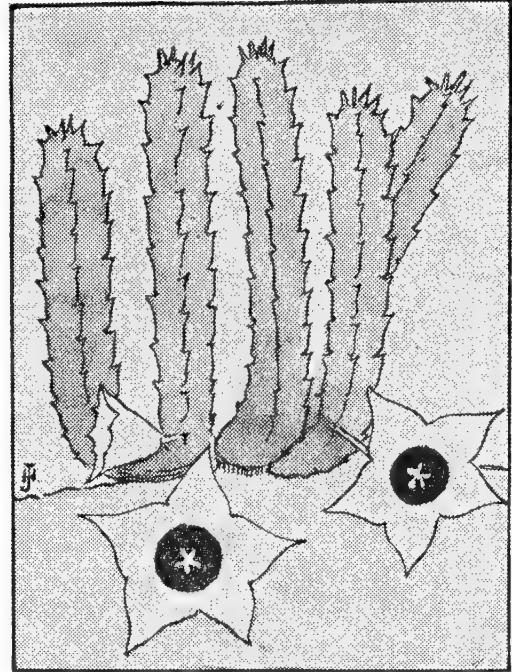
STONE FACES
The Stone Faces or Lithops are the prizes of every collection. These handsome, interesting and entirely novel plants germinate quickly. You will have seedlings in two weeks! Per packet.....

25c



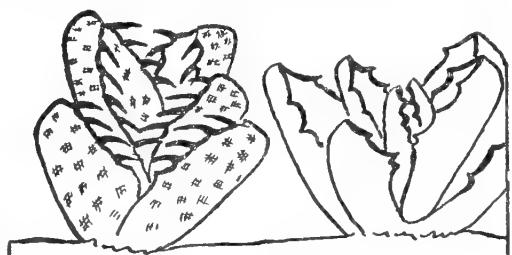
STONE FACES

Own a collection of these lovely Lithops! Your friends will not believe them real! The favorites of every collector. Very sandy soil, moderate watering when dry.
Lithops alpina. Grows large. Large.....
L. Aucampiae. Large. Dark red. Fine.....
L. Comptonii. Dove grey. Flowers yellow.....
L. Framesii. Dove grey. Many spotted.....
L. Fulleri. The loveliest. Pink. Fawn lined.....
L. fulviceps. Pink tan. Spotted olive.....
L. Herrai. Speckled blue grey.....
L. inornata. Spotted tan. Yellow flower.....
L. karasmontanum. Fawn. Brown lines.....
L. kunjasicensis. Reddish yellow. Dark lined.....
L. Lericheana. Pinkish brown. Dark lines.....
L. Leslei. Brown. Green dots. Yellow flower.....
L. Marthae. Blue grey.....
L. mickbergensis. Bright pink fawn. Lined.....
L. Mundtii. Large. Brown. Spotted.....
L. olivacea. Green. Olive spotted. Yellow flower.....
L. opalina. Milky rose. Faintly marked.....
L. Peersii. Dove grey. Many dotted.....
L. pseudotruncatella. Large. Brown. Spotted.....
L. Schwantesii. Rosy brown. Red pattern.....
L. summitatum. Rosy tan. Dark lined.....
L. turbiniformis. Large. Red, dark lined.....
L. umdausensis. Violet grey. Grey pattern.....
L. Ursulae. Pink tan. Bright brown pattern.....
6 Varieties, My Selection, Set..... \$1.00
12 Varieties, My Selection, Set..... 2.00



RED DRAGON FLOWER

The pretty *Huernia Schneideriana* bears delicately beautiful flowers with velvety red petals and black center. Flowers all summer. Moderate waterings. Sun or semi-shade. Nice clusters, 35c. Smaller.....



TIGER JAWS

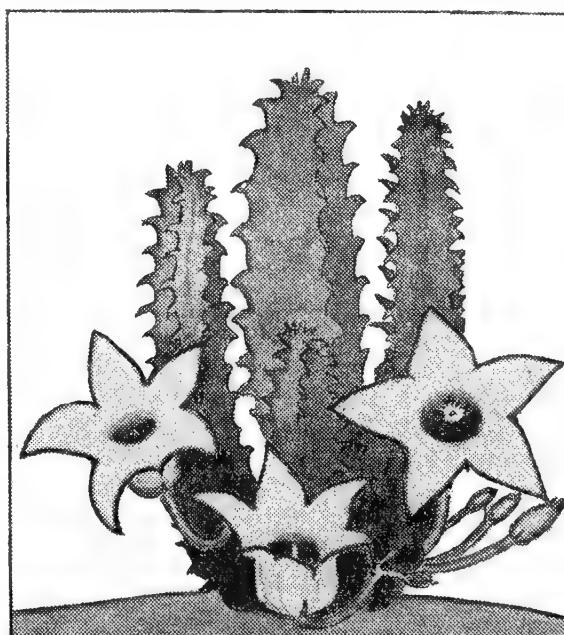
The *Faucarias* are a most interesting and free flowering group with queer, toothed and often spotted leaves. Flowers large and bright yellow, produced in great profusion in September and October. Sure to bloom.

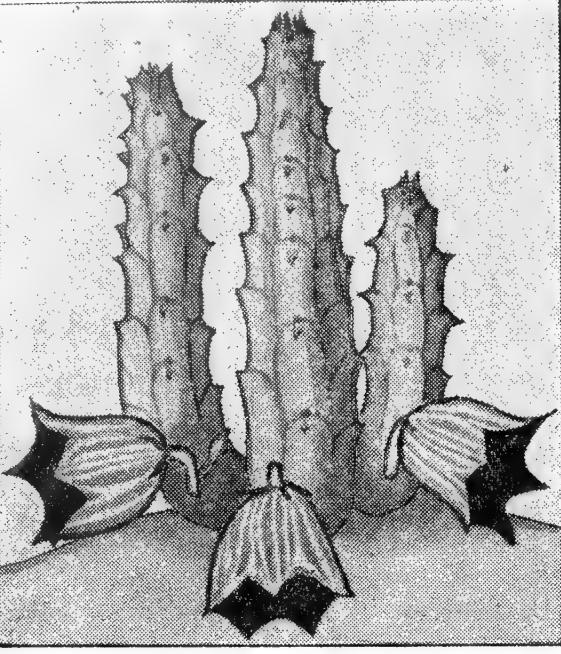
<i>Faucaria acutipetala</i> . Long teeth.....	25c
<i>F. albidentis</i> . White rimmed.....	30c
<i>F. arrabidae</i> . Small compact clusters.....	25c
<i>F. Blue Queen</i> . Hybrid. Blue green.....	25c
<i>F. Bosscheana</i> . White rimmed. Small clustered.....	25c
<i>F. carinata</i> . Short thick leaves.....	25c
<i>F. cradockensis</i> . Heavily toothed.....	25c
<i>F. felina-Jamesii</i> . Much toothed.....	25c
<i>F. longidens</i> . Slim green leaves.....	25c
<i>F. longifolia</i> . Slim bluish leaves.....	25c
<i>F. lupina</i> . Long heavy teeth.....	25c
<i>F. Rynefeldiae</i> . Long slim leaves.....	25c
<i>F. sulrueteria</i> . Heavy thick leaves.....	25c
5 Varieties My Selection. Nice plants.....	\$1.00
10 Varieties My Selection.....	\$2.00

YELLOW DRAGON FLOWER

Pretty primrose yellow flowers. Stems short, sharp angled, blue green. *Huernia primulina* bears bells in clusters at the base of the stems in late summer and fall. Moderate waterings. Clusters, 35c and.....

25c





KENYA DRAGON FLOWER

A pretty Dragon Flower with dark crimson-red, bell shaped flowers. *Huernia keniensis* is an easy and vigorous grower and flowers from spring to cold weather.
Clusters, 35c and 25c

TERMS

This catalog cancels all previous catalogs and prices. Please do not order from old catalogs as plants are often out of stock.

I GUARANTEE SAFE DELIVERY ANYWHERE IN U. S. OR CANADA

No Shipments During December

MINIMUM ORDER FOR FREE DELIVERY IS \$2.00. Orders for less must include 25c extra to cover packing costs.

FREE DELIVERY on all orders amounting to \$2.00 or more.

HOW TO REMIT: By check, postal note, money order or stamps. When stamps are sent I appreciate larger denominations. 10c to 50c.

NO C.O.D. ORDERS ACCEPTED.

HOW TO SHIP. By guaranteed Parcel Post, which delivers directly to your door. All plants are passed by State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in strong, especially made boxes, heavily insulated from cold and clearly marked **Rush—Perishable—Tender Plants.**

OWING to our doubled costs and very low prices we have had to raise our minimum free delivery order to \$2.00. Otherwise we would have to raise all catalog prices. Orders for less than \$2.00 please add 25c for packing.

MAY WE SUBSTITUTE IF OUT?

We have fine stocks of all items offered, but owing to the great number of items listed we ask if you will add to the bottom of your list two or three second choices.

CACTUS HELPS

COLLECTION P-21

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Cactus Compost.

Johnson's Cactus Food.

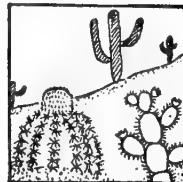
Johnson's Cactus Soil Conditioner.

Quart of Cactus Hardwood Charcoal.

Cactus Insecticide and Leaflet.

50 Wooden Plant Labels.

7 Items to Make Cactus Growing Easy. Postpaid \$3.00



SUPPLIES for CACTI

Few things are needed in the growing of cacti more than interest and a desire to form an increasing collection of them. However, for the city dweller and more serious collector I am offering a few things that may make their culture easier. The things we offer are the things we ourselves use.

JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base, the ingredients of which are blended and proportioned to help your plants to make normal matured flowering growth. It is not a soluble fertilizer but should be scattered over the soil, a level teaspoonful to a 4-inch pot, three or four times during the growing season after the plants are well established.

Light applications every three or four weeks during the growing season, only are more effective than heavy applications.

12-ounce Bag 50c

2-pound Bag \$1.00

ROOTWELL

Want to raise Cactus cuttings? Our new triple hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full Directions. Per Package 50c

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JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

Small Size, 10 Ounces. Postpaid 60c
Large Size, 32 Ounces. Postpaid \$1.00

JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our recleaned sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our own potting soils for both seedling and specimen plants.

Per Peck. Postpaid 1.95
4 Pints or 2 Pounds to Make 6-10 Quarts of Potting Soil. Postpaid 75c

OUR SPECIAL CACTUS LEAFMOLD

A recleaned, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

32-ounce Bag 70c

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart 35c

CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Red Arrow Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction Sheet and Bottle of Red Arrow Spray. Postpaid 40c

VOLCK SPRAY. An oil spray recommended for any kind of scale insect and for mealy bug. These two insects are hard to kill, as they have a waxy covering which repels water. We have used it for years, but only recently has it been put up in small bottles. 4-ounce bottle prepaid (with orders only) with chart describing cactus pests. Full instructions for use 50c

BLACK ROT PREVENTIVE

With light waterings, fresh air and sun rot will not appear. If through too much watering plants turn black and watery its spread may be checked by saturating the top soil with a Semesan solution. It is useful also to spray tiny seedlings to prevent "damping off" or rotting.

1/3-ounce envelope, with cactus instructions 20c

2-ounce pkg., with cactus instructions 50c

WRIGHT'S VITAMIN B1

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Our customers report success, particularly when used on old plants. Also to stimulate new root growth after transplanting. Each tablet makes 1 to 2 gallons.

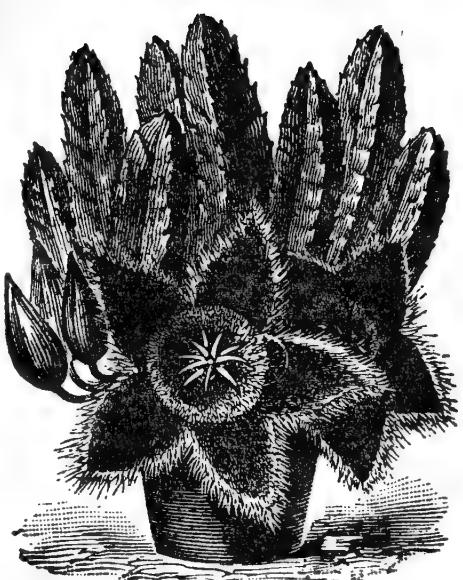
50 Tablets, with full instructions for cacti. Bottle 50c

PLANT CHEM SALTS

Cacti grown in pure sand and watered regularly with this nutrient solution make healthy vigorous growth. An occasional watering of all your house plants will supply the rare minerals sometimes lacking.

16-gallon pkg., with full instructions 30c

100-gallon pkg., with full instructions \$1.10



HAIRY STARFISH FLOWER

HANDSOME VELVET FLOWER
Handsome, velvety purple "stars" 4 inches across, each petal fringed with soft violet hairs!
M. & S. No. 52. 35c

Nice clusters, 50c and..... **35c**

PLANT BONUS!

**On orders of \$3 or more
choose 10% in free plants**

HYNES, CALIFORNIA

1948

FREE DELIVERY!

**ON ALL ORDERS OF \$2
OR MORE. 25c PACK-
ING CHARGE ON ORDERS
FOR LESS THAN \$2.**

NAME..... DATE.....

STREET or P. O. BOX.....

CITY _____ STATE _____

NOTE! Orders for less than \$2.00 must include 25c extra to cover packing costs.

★ To assist us in promptly filling your orders please write letters on a separate sheet.

* To assist us in promptly filling your orders please write letters on a separate sheet.

TO OUR FRIENDS

To our friends
To avoid delay will you
give us two or three extra
plants at the bottom of your
order to use only if we are
out of items ordered

We have ample stocks and do not expect to run short of plants, but authorized second choices may save time and correspondence.

If no choice is given may we use our judgment?

QUESTIONS?

Owing to present conditions it is increasingly difficult to answer correspondence regarding culture, etc., promptly without greatly increasing the costs of our products. We beg your indulgence for delays. All orders go out promptly.

Leaving room in your letter for answers to your questions will help us serve you better. Stamped self addressed envelope for replies are greatly appreciated.

CACTUS BOOKS

**Have you subscribed to the
Cactus and Succulent Journal?
A treat for the fan! 12 issues \$3.00**

"Cacti and Succulents and How to Grow Them"

68 pages and many photographs of cactus and succulents. Plain information on the care of your plants. Much recommended 50c

"Cacti for the Amateur"

110 colored pictures, 150 cactus photos. Full information. Cloth binding. Postpaid \$2.60

"Succulents for the Amateur"

800 succulents described.
167 pages crammed with information. 400 illustrations,
85 in color. Cloth. Postpaid \$2.60

CHOOSE 10% IN FREE PLANTS ON ALL ORDERS OF \$3.00 OR MORE

CACTUS BOOKS

These fascinating plants have a most interesting and comprehensive literature. You are missing half the pleasure of this amazing hobby if you do not have these illustrated and instructive reference books to turn to when you want to learn further about your acquisitions or intended purchases. You will learn more about the countries from which they come, about the conditions under which they grow and what other amateurs have learned about them. Books are getting scarcer and in the past year many have been sold out and are not available.

CACTUS AND SUCCULENT JOURNAL

A monthly magazine published by the Cactus and Succulent Society of America. A well illustrated magazine of the greatest interest and one that will keep you up to date on what is going on in the cactus world, of the newest plants discovered, of the trips of collectors into far countries and culture of a never ending variety of plants. You can also get in touch with your local society and collectors near you. A really worthwhile periodical.

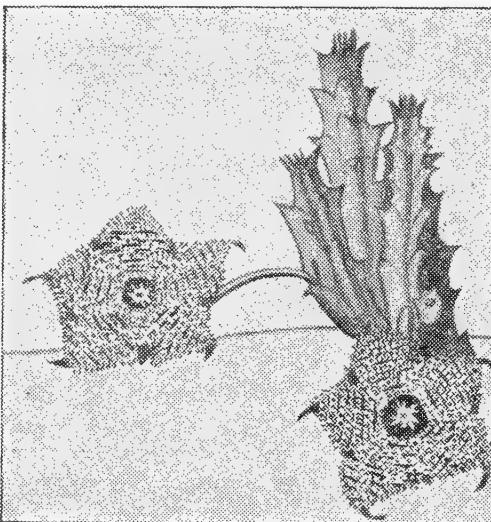
Cactus and Succulent Journal subscription and year's membership \$3.00

EPIPHYLLUM HANDBOOK

A splendidly illustrated new book on these popular plants, many pictures in color. Their history and culture and all about them. 240 pages, 190 illustrations, 11 color plates. Postpaid..... \$3.60

THE CULTIVATION OF SUCCULENTS

A splendid book by Europe's greatest cultivator of Succulents, H. Jacobsen, Curator of the Botanic Gardens, Kiel, Germany. Full notes on the home of Succulents, their growth forms and how they live, uses, cultivation, seed setting and sowing, leaf and cutting propagation, pests, etc. A real guide to Succulent culture. Cloth bound..... \$1.25



WOOLLY DRAGON FLOWER

Huernia hystrix (One-half natural size)

A lovely species whose star-like blossoms are covered with soft yellow and red papillae on a yellow ground. This curious blossom will well repay you for its care. Clusters..... 35c

EUPHORBIA

One of the largest of all genera of plants. Many are amongst our prettiest and most sought after succulents. We have a very large collection of rare species.

Euphorbia acruensis, 75c-\$1.50. *E. antiquorum*, 50c. *E. Bojeri*, 50c. *E. bubalina*, 35c. *E. canariensis*, 75c. *E. caput-commelinii*, 75c. *E. coeruleascens*, large, \$1.50. *E. echinus*, 35c. *E. enopla*, 40c. *E. ferox*, 75c. *E. fruticosa*, 75c. *E. globosa*, 50c. *E. heptagona*, large, \$1.00. *E. Hislopiae*, \$1.00. *E. horrida*, \$1.50. *E. inermis*, \$1.00. *E. ingens*, \$1.00. *E. lactea*, 50c. *E. Monringii*, 75c. *E. officinarum*, 75c. *E. ornithopus*, 75c. *E. polygona*, 50c. *E. pseudocactus*, 40c. *E. Royleana*, \$1.00. *E. resinifera*, 35c and 50c. *E. Sussanneae*, \$1.00. *E. tridentata*, 75c. *E. tubiglans*, 75c. *E. valida*, 75c. *E. Winkleri*, \$1.50.

THE STUDY OF CACTI

By Vera Higgins, M.A., F.L.S.

For those who want to know more about their plants. This is a simply written book easily understood by the beginner, yet at the same time is technically accurate. Fine chapters on cultivation, on why plants have Latin names, descriptions of cactus genera or groups and classification. If you really want to know the why and the wherefore, this is your book. Revised 1946 edition. Postpaid..... \$3.00

MAMILLARIA HANDBOOK

A complete book about these interesting cacti, 390 pages, 300 fine illustrations and descriptions of all known species. A complete bibliography and annotated list of all published names for the past 150 years. By Dr. Robt. T. Craig. Postpaid..... \$7.70

BRAZIL AND ITS COLUMNAR CACTI

A splendid account of a trip through Brazil looking for Cacti by a famous botanist, Dr. Werdermann. Postpaid.... \$3.15

THE STAPELIEAE

All there is to know about the Starfish Flowers and their allies. 1,233 photos and many colored plates. Three deluxe volumes, 1,200 pages. Buckram binding. Express collect..... \$12.50

THE EUPHORBIEAE

Two new volumes on the succulent South African Euphorbias. 1,000 pages, 1,100 photos. A real manual. Express collect..... \$12.00

CULTURE FOLDERS

A series of small folders in which I have described the general care of special groups of succulents, etc.

Stonefaces and other Mimicry Plants. Their culture and other notes..... 10c

Starfish Flowers. How to care for a collection, propagation, etc. 10c

Euphorbias. Their culture and growth..... 10c

Mexican Succulents. Echeveria, Pachyphytum, etc. Their care..... 10c

Epiphyllums and other shade loving Cacti. Their care and flowering..... 10c

BOWIEA VOLUBILIS CLIMBING ONION

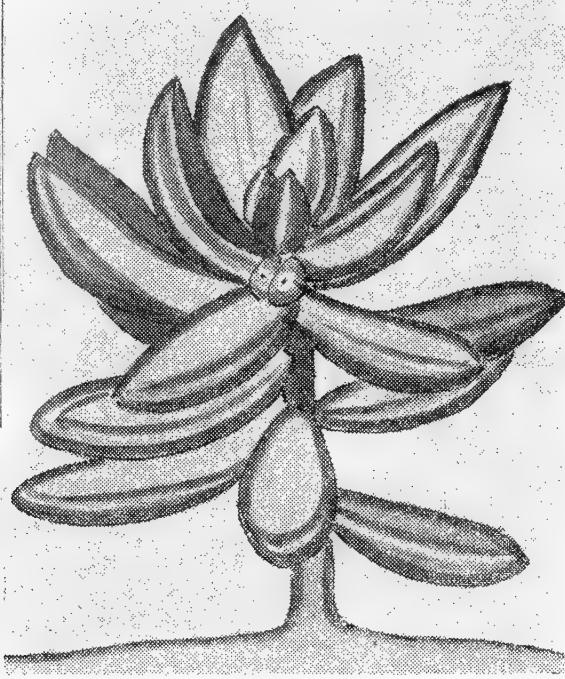
This very rare and unique succulent has a large, green, tunicate bulb that sits on top of the soil, after it reaches the size of a walnut! It may reach 4 inches in diameter. From the top it periodically sends forth a twining shoot up to 8 feet long that bears a filmy tangle of fern-like leaves and green flowers. After the foliage turns yellow withhold water three or four months. When watered again it will send forth another shoot. A real curiosity and quite easily grown. A few large 2½-3 inch bulbs, \$5. Smaller, \$1. Smaller plants..... 50c

STAPELIAS

Our collection of Stapeliads is quite extensive and we have many rare species as well as all the better known kinds. With one or two exceptions we have representatives of all known genera. The list is far too extended for this catalog. We have a special list which will be sent to collectors of these curious and handsome plants. Ask for Rare Succulent List.

RARE SUCCULENT LIST

For those interested in rare plants we have compiled a list of those which we cannot find space for in this catalog. Lithops, Conophytums and other Mesembs, Haworthias, Stapeliads, Echeverias, Euphorbiads, Anacampseros and other curious and rare plants are offered in this list. Sent free to customers only.



CHRISTMAS GOLD

A cheerful note with its bright golden leaves. Easy to grow and a fine contrast in a dish garden. Nice 20c

CRASSULA

Mostly African succulents with great diversity of growth. Porous loam, moderate waterings and light without too much full sun.

Crassula corallina, 20c. *C. cordata*, 20c. *C. corymbulosa*, 20c. *C. Dregeana*, pink hybrid, 40c. *C. Justus-Corderoy*, 20c. *C. lactea*, 20c. *C. montis-draconis*, 35c. *C. pachyphylla*, 50c. *C. Purcelli*, 20c. *C. Schmidtii*, 20c. *C. lycopodioides*, 20c. *C. tetragona*, 20c. *C. tomentosa*, 30c. *C. trachysantha*, 20c.

COTYLEDON

A large genus often with charming blossoms and many odd forms. Culture as for Crassula.

Cotyledon Dinteri, \$1.00. *C. macrantha*, 40c. *C. Walkeri*, 25c. *C. Pilansii*, 25c. *C. undulatum superbum*, 50c. *C. Wallichii*, \$1.00. *C. sp. nova*, Near Wallich, \$1.00.

BULBINE

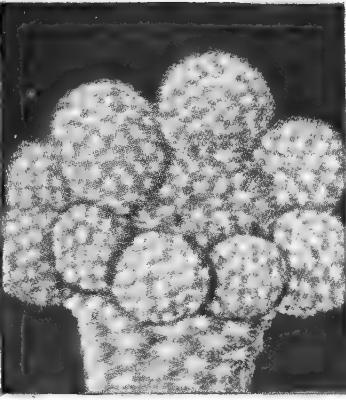
Liliaceous plants with pretty spikes of flowers. *Bulbine caulescens*, 25c. *B. Triebneri*, 25c.

RUSSET STARS

Caralluma Nebrownii

A striking species, the stems heavily mottled with dark maroon on a silvery green ground. Plants form clusters. Flowers dark red brown in some cases almost black. Likes a sunny location, very moderate waterings. Nice..... 35c

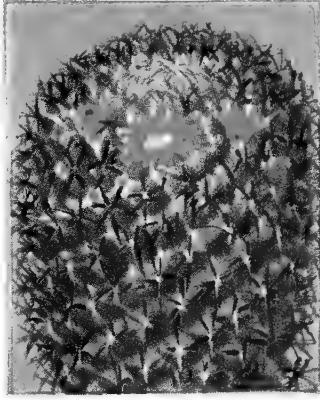




THIMBLE CACTUS
Mamillaria fragilis

Like the "Old woman who lived in a shoe" this little cactus has more children than she knows what to do with. Pure white, harmless spines and every little baby will quickly grow. Each.....

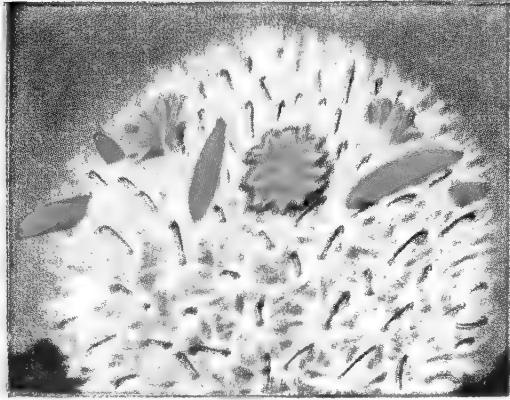
22c



RUBY DUMPLING
Mamillaria tetracantha

A quick growing cactus with bright crimson flowers and, with maturity, a hoary white head. It has long been a favorite with sturdy growth and vigor. 1½-in. and 2-in., 35c; 1-in. and 1½-in., each.....

23c



POWDER PUFF

Like a bursting cotton ball this little plant is clothed with silky, snow-white hair instead of spines, though it bears one tiny hooked one on each slender nipple. Bears cream colored flowers and very attractive bright red, curved seed pods. A jewel among cacti. Very easy to grow with sun or partial shade, moderate waterings. Large clusters. \$1.00; specimens, 50c and 35c; nice 1-inch plants.....

22c



LADY FINGERS
Mamillaria elongata Schmollii

A dainty gem and so easy to grow. Each little plant is a bright mosaic of rich golden, harmless spines. Quickly forms fine specimens. Nice clusters, 35c each; single.....

25c

MEXICAN JEWEL COLLECTION Q10. THESE FOUR CHARMING PINCUSHIONS ONLY



HER CACTI FLOWER WELL

Dear Sirs:

I have had a number of orders from your nurseries and am well pleased with your plants. I now have over 100 different Cacti and several are in bloom in this photo. Thanks for your courteous service.

MRS. A. HEPNER,
Box 335 F, Rte No. 4, Toledo, Ohio.

Mamillaria Waltheri. A low flat-topped species with white blossoms and crimson pods. Large flowering.....

50c

Mamillaria Zahniana. Rare. 1½-2 inch....

60c

Mamillaria Lloydii. Rare species with many small nipples. Flowering, 1½-2 inch.....

35c

Mamillaria longicoma. Cotton Cactus....

30c

Mamillaria Bravoeae. Lovely new white spined species. Very choice. Small.....

25c

Mamillaria bucarilensis. A fine species with dark spines. Very rare.....

25c

Mamillaria Johnstonii. A very rare species from Lower California.....

35c

MAMILLARIA KARWINSKIANA

A splendid species with dichotomously branching deep green heads and cream colored flowers with a pink stripe down each petal. Club shaped, scarlet berries. Easy to grow. Nice 1 to 1½ inch plants.....

25c

MAMILLARIA HOFFMANNIANA

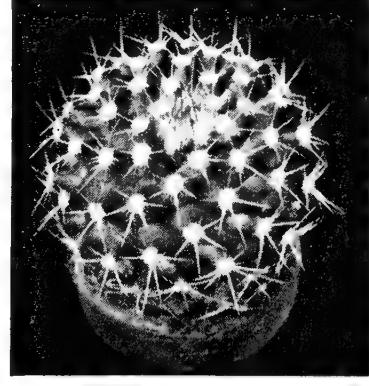
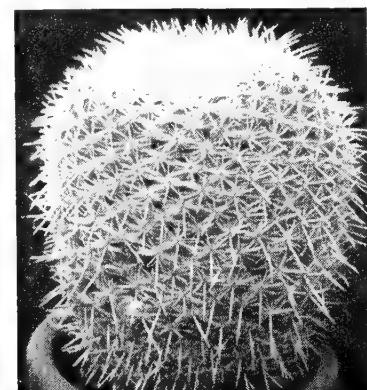
A pretty species and one the beginner will enjoy. With age the crown becomes hoary white and during summer a continuing circlet of red flowers push out through the soft white wool. Nice plants.....

25c

MAMILLARIA PSEUDOCRUCIGERA

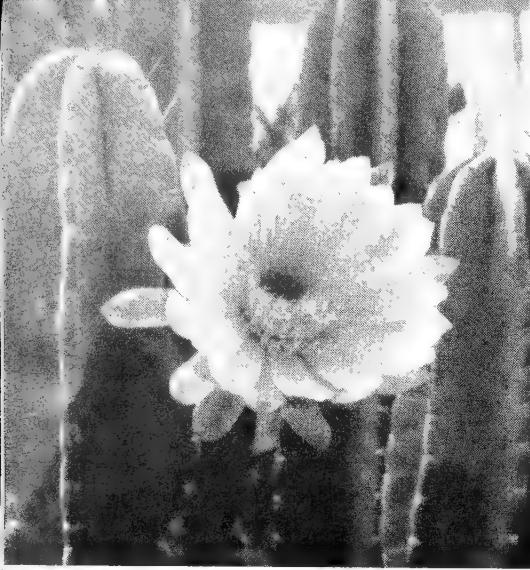
A very choice specimen with pure white spines. Crowned in spring with a chaplet of pink blossoms. With maturity it branches. A new one for the collector. 3-inch flowering, \$1.00; 2-inch.....

50c



CEREUS

and its ALLIES



DAYAM'S TREE CACTUS

One of the best fruiting and flowering kinds. Bears big tomato-like half-pound fruits, quite fragrant and delicious. Tree-like in habit. 8-10 in., 75c; 4-6 in., 35c; 2-3 in.

25c

NEW PERUVIAN CACTI

These are some of the new or rare cacti collected in Peru by Mr. John Akers during the past three years. Mr. Akers is well known to the cactus fraternity about Los Angeles and is well equipped both by enthusiasm and technical training to clarify the relationships of Peruvian Cacti. The unnamed species with numbers will later be identified.

Armatocereus laetus. A large grey-green much branched cereus, 12 to 16 ft. tall. 4-5 inches....**\$1**

Armatocereus matucanensis. Similar. 4-5 in....**\$1**

Binghamia acrantha. 3-10 ft. tall, much branched. Pretty russet spines. Nice plants. 1-2 in....**35c**

Binghamia acrantha grandispina. A new heavy spined variety**75c**

Binghamia fragrans. A new species with fragrant flowers**50c**

Borzicactus sp. Very large flowers. No. 41-6....**75c**

Cereus sp. A tree cereus, probably new genus. No. 19-6**\$1**

Cereus (Borzicactus). No. 64-6. Yellow spined. Lovely**40c**

Corycactus brachypetalus. Columnar, 6-12 ft., branching from base. Flowers deep orange red....**35c**

Haageocereus Olowinskianus. Handsome russet spines**75c**

Loxanthocereus decumbens (Vaupel). Akers. White spines tinged red**75c**

PERUVIAN OLD MAN

A dainty, elegant Old Man covered with pure white cotton. *Euphorbia lanata* grows very easily and quickly and its cottony puffs always attract envious attention. It is found at high elevations in Peru and may grow to 8 feet tall. It enjoys a light loam soil with semi-shade or full sun and moderate watering. 4-5 inch, \$1.00. Nice, 35c and....**25c**



A NOBLE group of cactaceous plants widely distributed over North and South America, being particularly abundant in the better watered regions. With few exceptions, they are easy to grow, having vigorous root systems and often rapid growth. They vary greatly in the way they grow, some forming immense branched trees almost 50 feet tall, while others may be tiny species clustering for protection at the feet of their lordly kin. The climbing Queen of the Night and her relatives frequent wet tropical jungles, clambering high in the trees, opening their snowy blossoms in the airy lofts above the jungle floor. The tree-like varieties are mostly seen on the lower slopes of the mountains and mesas, a few ascending almost to the snowline. They seem to be at their best where it is temperate or warm and where there is a fairly moist summer period, although this may be followed by long months of drought. During the few months of the year when the rains and the sun are favorable they make their growth, expand their glorious blossoms and mature their often large and colorful fruits. As the rains cease the plants are plump with their stored moisture, ready to face their lonely vigil through the parched and blistering months to come.

Loxanthocereus ferruginispinus. A lovely species with yellow red tinged spines.....**35c**

Maritinocereus nanus. A new plant described as very floriferous**50c**

Melocactus Jansenianus. Small**40c**

Melocactus nobilis. Small**40c**

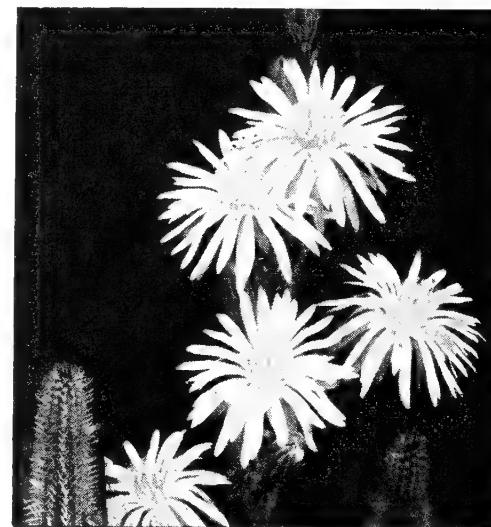
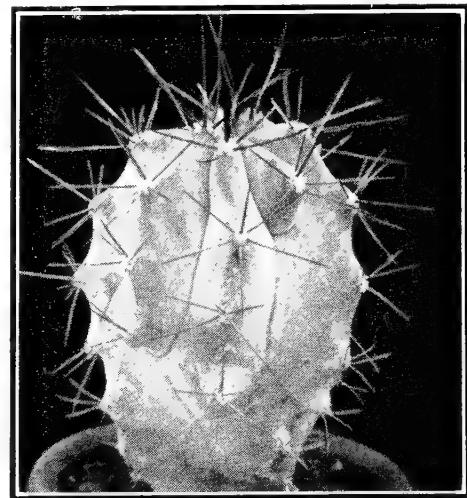
Melocactus rubrispinus. Small**40c**

Melocactus spiralis. Small**40c**

Morawetzia sp. A new species of this rare genus with a white pseudocephalium. Fine plants. 3-5 inches**35c**

Peruvocereus albicephalus. A new genus and species. All Peruvocereus are lovely, colorful plants for specimens. Mature plants of this species are hoary headed.....**50c**

Peruvocereus albisetatus. Lovely yellow spines tinged red. Older plants white.....**75c**



POWDER BLUE CEREUS

Lemaireocereus pruinosa

A lovely blue white species, charming during every stage of its growth. Colorful in dish gardens. Much recommended. A good plant to start with. Likes a sandy soil and moderate watering Sun or semi-shade. 2½-3 inches, 35c; fine bright plants.

20c

CLEISTOCACTUS

A very popular genus containing some of our prettiest and most consistent bloomers. Flowers tubular, zygomorphic, bright red. From South America.

Culture. A light loamy soil with moderate waterings. Sun or semi-shade.

Scarlet Bugler. Cleistocactus Baumanii. See page 24 for color illustration. Each....**22c**

Cleistocactus cuzcoensis**\$1**

Cleistocactus Herzogianus**\$2**

Cleistocactus Morawetzianus. Rare.....**\$2**

Cleistocactus smaragdiflorus. A very lovely species. Flowers bright red, petals tipped with green. Plant bright with rich chestnut colored spines. Attractive. 5 inches. Ea....**35c**

Cleistocactus tupizensis. A handsome and very rare species with pale yellow and red quite long spines. Flowers dark crimson. Fine specimens. 12 inches, \$1; 6 inches....**50c**

BEAUTIFUL CLEAN PLANTS

Dear Mr. Johnson:

I received my order last week and every cactus is simply beautiful. I am very, very satisfied. The plants are so healthy and strong looking, so nice and clean. I have never bought cacti anywhere that were so healthy and beautiful. This is my third order and I will want more this summer. I also want to thank you for the gift cactus sent.

Thanks again,

MRS. A. F. WEYROUGH.

Buffalo, New York.

CACTUS JOURNAL

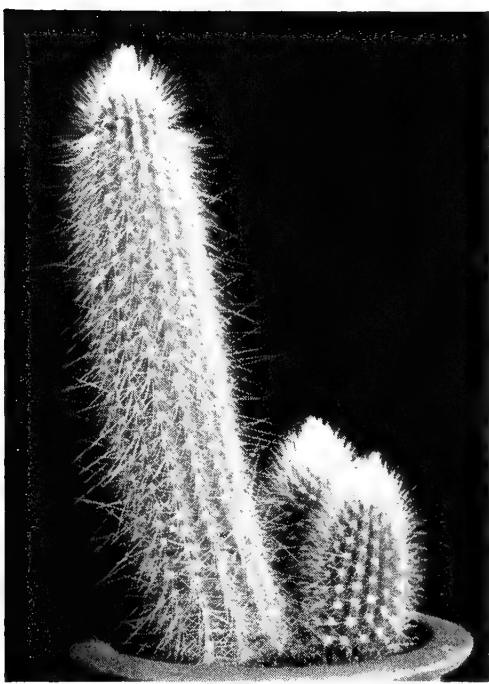
Have you subscribed to the Cactus and Succulent Journal? 12 splendid issues fully illustrated. A joy for the cactus fan.....**\$3.00**

CULTURE OF CEREI

Cerei are, with few exceptions, vigorous growers, and are of easy culture, presenting no particular problems to the cultivator. They have vigorous roots and thrive splendidly in a compost of one part of sandy loam, one and one-half parts gritty builders sand, one part leafmold or our Cactus Compost, and a sprinkling of Cactus Soil Conditioner. They will grow almost anywhere, but prefer a sunny position in the window garden with plenty of fresh air. In summer they may be put out in a hot sunny location such as under the eaves near the house foundation. (Caution: Protect during first two weeks from full sun to prevent sun scald.) They will show their appreciation by extraordinarily fine natural growth. Such matured growth insures flowers.

Practically all cacti are happiest in medium sized pots. For though in the wilds their roots may ramble over considerable distances, tracing out the pockets of humus laden soil, yet in cultivation oversized pots generally become sodden and sour, which will mean sickly yellow plants. It is interesting to note that the healthy feeding roots are always found clinging to the porous, air-filled sides of the pots and not in the middle of the ball. 3, 4 or 5-inch pots are quite ample for plants up to 15 inches tall.

In winter rest your plants (plants like animals need rest) by gradually withholding water till eventually only enough water is given to keep plants barely plump. Never at this season give your plants a soaking! Always water lightly and on bright days. Wetness in dull weather causes rotting.



SILVER TORCH

This lovely Cereus is an arresting plant with its white glossy columns clothed with glossy silvery-white spines. In summer there are quantities of bright red, tubular blossoms clustered thickly on the taller stems. Cleistocactus Strausii is very easy to grow, liking a light loamy soil with moderate water. Sun or part shade. Fine 3 to 4 inch plants.....

25c

MOON CACTI

ERIOCEREUS

Great favorites with their profusion of snow white blossoms and attractive crimson fruits. Kept in 5 to 6 inch pots and well fed during their summer growth, they rarely fail to flower abundantly. They will stand full summer sun.

ERIOCEREUS BONPLANDII. This is a glorious plant and a prime favorite. The stout stems are triangular, not heavily armed, upright, but should be tied up when they become long. They flower throughout the summer till late fall. One plant we have bears scores of blossoms, often as many as 10 at one time. Blossoms 8 inches across. Nice. 4-6 inch.....

25c

ERIOCEREUS Martinii. A lovely, extremely free-flowering species. The white flowers are followed by scarlet fruits. Large 8-12 inch, **50c**; Nice 2-4 inches.....

35c

ERIOCEREUS Regelii. Pink Moon Cereus. A very free flowering slender species. Flowers a lovely shade of pink. Very choice. Nice. 2-4 in.....

35c

ERIOCEREUS tortuosus. A very spiny variety with handsome ruffled flowers. A consistent bloomer. Each

35c

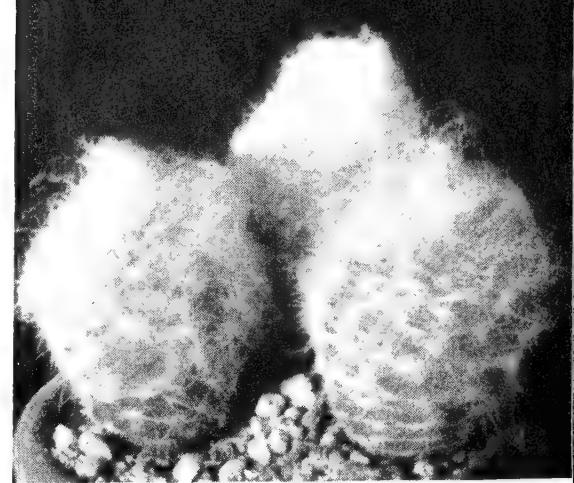
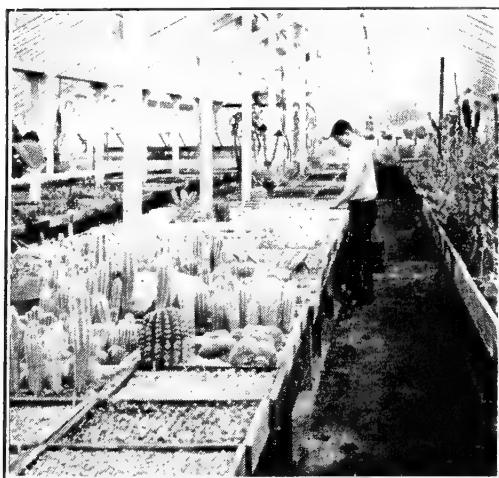
HARDWOOD CACTUS CHARCOAL

Useful in keeping soils sweet and aerated. Very useful in heavy soils. Makes a good covering for seeds. Full directions for use. Per quart, postpaid

35c

ONE OF OUR CACTUS HOUSES

In our greenhouses are scores of thousands of cacti and succulents. Here the tiny seedlings are cared for for the first years of their life. The tiny green globes from the sprouted seeds are replanted twice before they reach their final quarters. This is a slow painstaking process and requires constant attention. When they reach adequate size they are moved outside to develop the hardiness our plants are noted for. You are cordially invited to visit our growing houses. Fanciers will find scores of rare plants not listed in our catalogs.



SNOW BALL

We are once again able to offer this choicest of the Old Man Cacti. The fine silky-white hair entirely clothes the young plants so that they appear as puffs of white wool. Pseudoeuphorbia melanostele grows easily, liking a light loam soil, moderate watering and sun or semi-shade. May grow to a height of 8 feet, branching above. Native to the high Andean valleys of Peru. Nice snowy plants, 1-inch.....

25c

HYLOCEREUS

NIGHT BLOOMING CEREI

A glorious group of night flowering cacti. The huge 10-inch snowy-white to pale cream blossoms open in the evening, closing in the morning. Native to the jungles of Central America. Their stems are climbing and 3-winged.

Culture. They like a very sandy soil with leafmold or Cactus Compost and, when growing in summer, feedings with Cactus Food. Water generously and give partial shade. They enjoy being outdoors in the rain in summer.

Honolulu Queen. Hylocereus undatus. This well known variety has huge 12-inch blossoms, white inside, yellow without. Magnificent in bloom. Likes a warm situation and water. Each.....

75c

Hylocereus calcaratus. Large white blossoms. Rare

75c

Hylocereus costaricensis. White stems. Flowers white with red edgings to outer sepals. Handsome!.....

75c

Hylocereus extensis. Much branched. Stems slender, spiny. Flowers rose-red. Handsome

35c

Hylocereus Lemairei. White stems. Flowers white with yellow outer petals. Sepals laced with crimson

75c

Hylocereus napoleonis. A very handsome flowered species. Flowers pale, creamy yellow, very large and graceful. Splendid

50c

Hylocereus ocamponis. White stems. Flowers huge, white, yellow and laced with red on sepals. Glorious

75c

Hylocereus polyrhizus. Stems blotched white and green. A vigorous grower. Handsome blossoms. Outer sepals orange-red, inner yellow grading to white. Fragrant

75c

PLEASED WITH HER PLANTS

Received the cacti in fine shape Saturday. They were all so lovely I am sure I will have good luck with them. Thanks for the free one. Will be sending another order soon.

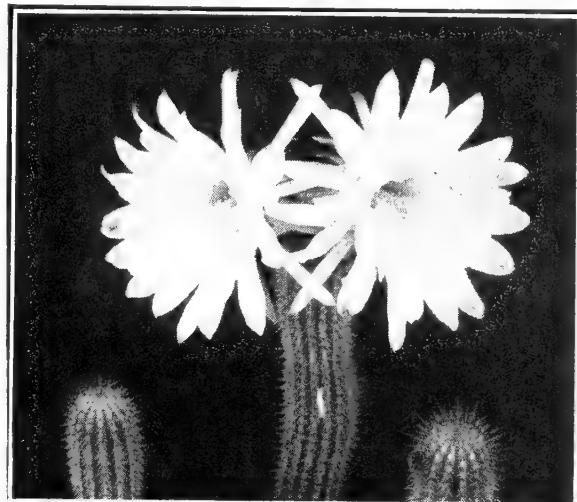
MRS. ETHEL ANTEMAM.

Albany, New York.

CURIOSITY PLANT

These novel and attractive cacti never lose their odd method of growth. They are always pretty with their bright chestnut spines and living green stems. Fine for pots. Large specimens, 6-8 inches, \$1.00; nice, 3-4 inch, 50c; fine bright, 1½-2 inch.....

35c



WHITE TORCH CACTUS

Beautiful, popular and exceedingly easy to grow. Trichocereus Spachianus is a fine plant for the window garden, with snow-white blossoms. Plants branch only from the base, forming many-headed clumps. Will stand 10 degrees above zero. Nice plants.....

25c

CEREUS

Most of the cacti formerly put in this genus by botanists have been removed in recent years to new genera listed in this catalog.

Cereus aethiops. Lovely blue stemmed.....

35c

Cereus aureus. Handsome blue stemmed.....

35c



OUR CACTI IN CHINA

The interesting collection of Miss M. A. Alwars, Kowloon, Hong Kong, China. We have many patrons in China who report our plants are fine.



CEPHALOCEREUS

OLD MEN CACTI

These humanly interesting cacti are found all the way from Florida to Argentina. They vary greatly in habit, some being but a yard high, others reaching skyward almost 50 feet. Some are single columned, as the Mexican Old Man cactus, others are much branched. All of them are characterized by having more or less developed pseudocephalla or "heads" of silky white hair, from which the flowers emerge. This hairy head may be strikingly developed with long silky-white tresses in thick spectacular mats.

Culture: They like a light sandy soil, moderate waterings and sun or partial shade. After they are well established they will thrive with feedings of Cactus Food.

Cephalocereus polylophus. One of the stateliest and handsomest cacti of Mexico. The plump small plants grow into many pleated columns of pale green. A fine acquisition for the window garden. **Order only after June 1st** 25c

Cephalocereus alensis. A tall Mexican species producing white to yellow hair, 8-10 inches 75c

Cephalocereus arrabidae. See page 27 for illustration 35c

Cephalocereus catenicola. A South American species, 10-15 ft. tall. Branched, stems powdered blue with age. 2-4 inches 25c

Cephalocereus Curtsii. A newer species, rather slim and not very tall 50c

Cephalocereus glaucochrous. A small growing species and certainly one of the handsomest of all with bright, clear blue stems and yellow spines. Most attractive. Nice. 3-4 inch plants 35c

Cephalocereus Palmeri. A fine form with blue white stems and great quantities of white silky hair on the blooming heads. Splendid 35c

Cephalocereus pernambucensis. A pretty more or less creeping species from Brazil. 3-6 inches 50c



RAINBOW CACTUS

One of the handsomest dwarf blooming cacti. Sure to flower and with a long blooming period. Often flower when hardly an inch tall, with blossoms larger than the plants! Likes a rich soil which should be sandy for good drainage. Moderate waterings, sun or partial shade. Flowering size, 35c; 1-1½ inch 25c

CHAMAECEREUS

Lovely small plants, growing freely. Flowers red to orange. Sun or part shade.

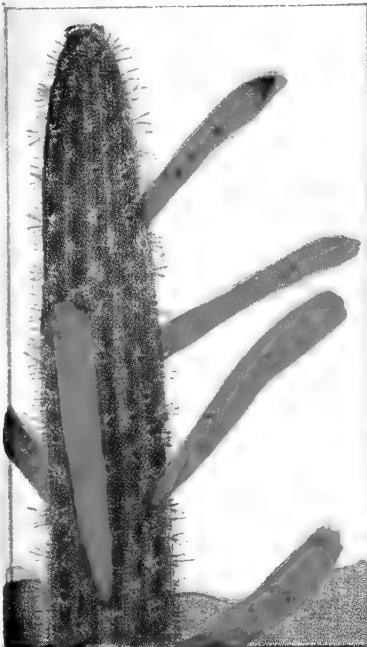
Peanut Cactus. *C. Sylvestrii.* See illustration opposite.

Chamaecereus Sylvestrii hybrid. A very pretty orange flowered form somewhat more robust than the species. *C. Sylvestrii* by Lobivia aurea 40c

MACHAEROCEREUS

A rare genus from Baja California growing near the seashore. Very spiny stems, upright or creeping. Moderate water, sandy soil, sun.

Machaerocereus eruca. Creeping Devil. A creeping species rooting along the under side as it grows. Spines broad, heavy, short. In the wild the plant always faces the sea \$1.50



MONVILLEA

A fine flowering genus of medium size. They vary considerably in style of growth, some having tall upright stems, others divaricate, others with almost spineless mottled stems.

Monvillea diffusa. Flowers very freely. Bears beautiful, deep red fruits. Nice plants, 6-10 in., 35c; smaller 25c

Monvillea Cavendishii. Tall columnar species. Stems deep green. Flowers large, pure white. Very pretty. Fine, 6-10 in., 50c; smaller 25c

Monvillea Amsitsii, 75c; M. Spegazzinii, 50c; M. sp. nova 75c

SCARLET BUGLER
You will want this handsomest flowering small cereus. The blossoms are brilliant scarlet and borne all summer long. Cleistocactus Baumannii likes generous waterings, 6-7 inch 22c

JOSEPH'S COAT

Handsome variegated with white, yellow, green and pink, this great favorite is easy to grow. Likes a porous loam and partial shade or sun. Moderate waterings. Very colorful. Each 25c

BOWL COLLECTION Q12. FIVE LOVELY PLANTS FOR A DISH GARDEN

STAR CACTUS

Handsome golden blossoms. Plant spotted with white dots. Very choice 25c

STONE FACE

These Lithops closely resemble beautifully marked pebbles. Very rare. Large 20c

OX TONGUE

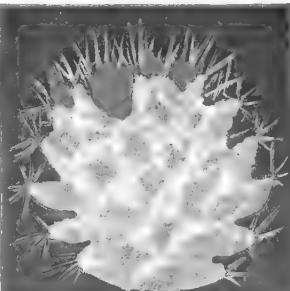
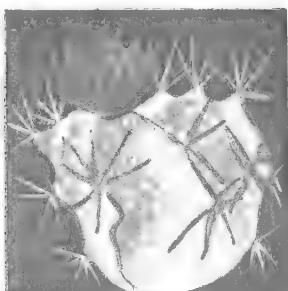
Handsome succulents with spotted leaves. Tall spikes of pink blossoms 25c

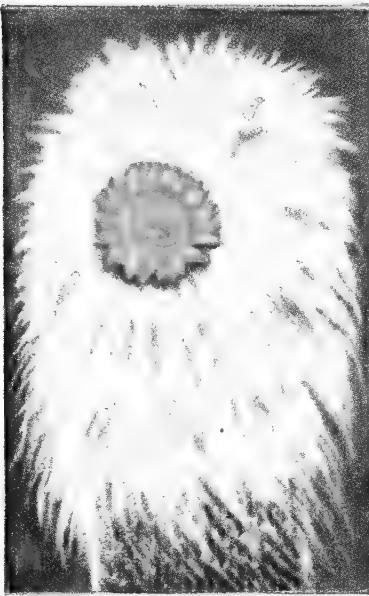
AIR PLANT

Grows young plants on the tips of its leaves! Handsome blossoms 20c

DUMPLING CACTUS

Fine for small gardens, for it bears many red blossoms when quite young. Nice 25c





OLD MAN CACTUS

Cephalocereus senilis

The long snowy-white hair of this venerable cactus makes it one of the most sought after. My plants are clean and snowy white, with many healthy roots. Small plants ready in September, 25¢; large specimens, 12-inch, \$5; 4-6 inch.....

\$1



MOON CACTUS

Eriocereus

These are very free growing cacti and flower most freely, the large snowy blossoms opening in the evening and remaining open till late morning. Easy to grow, liking a rich loamy soil and moderate waterings. Sun or semi-shade. 3-in. to 6-in., each.....

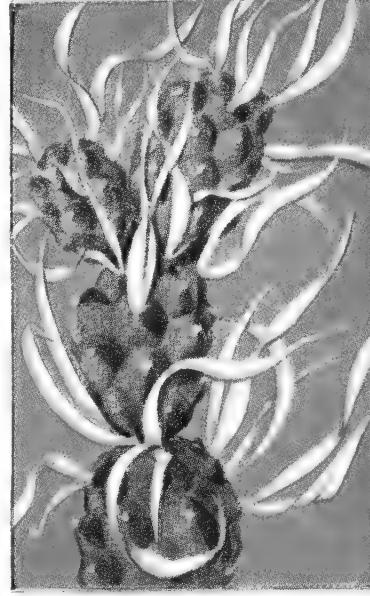
25¢



CEREUS HYBRIDUS MONSTRUOSUS

A strange and monstrous cactus attracting the attention of all who see it. They grow more upright than the Curiosity Plant and soon form most unusual specimens. As easy to grow as any cactus, and never lose their peculiar manner of growth. Fine plants, 2-inch and 3-inch, each.....

35¢



PAPER SPINED OPUNTIA

Tephrocactus glomeratus

One of the prettiest and most peculiar of cacti. Instead of spines, they have long, white, paper ribands! Your friends will envy you this fine plant. Easy to grow. Sandy soil, sun, moderate water. Fine plants, each.....

25¢

PACHYCEREUS

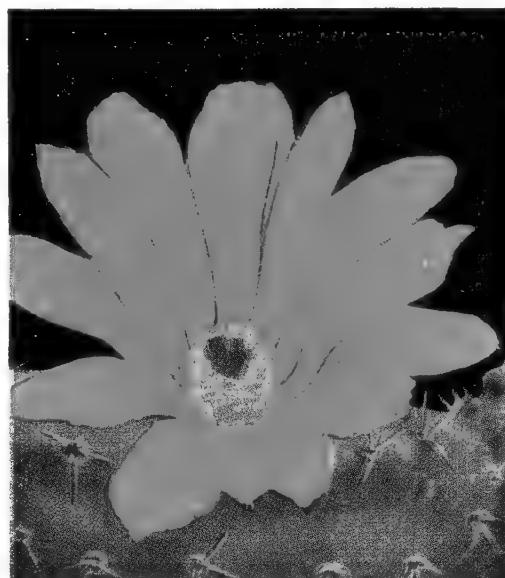
Huge branching plants sometimes 40 feet tall and weighing tons. They are spectacular sights on their native deserts.

Pachycereus marginatus. Organ Pipe. A noble species with perfectly straight columns, practically spineless. Branches only from the base. Make lovely young plants. Our plants will not be ready for shipment until June. Each.....

25¢

Pachycereus Pringlei. A gigantic species native to Lower California. Grows to 40 feet. Young plants are very attractive. 6 to 8 inch plants, 75¢. Young plants ready in June.....

25¢



DEVIL'S FINGER

Echinocereus Berlandieri (Two-thirds Nat. Size)

You will treasure this beautiful dwarf plant, which flowers freely in April. Lovely 3-inch blossoms, with lustrous petals enclosing yellow stamens and emerald green stigma. Short finger-like stems. Soon form nice specimen clusters. Very easy to grow on sandy soil with moderate waterings. Flowering clusters, 50¢; smaller, 35¢ and.....

25¢



PINK EASTER LILY CACTUS

Echinopsis multiplex (Half Natural Size)

A favorite for 100 years because of its ease of growth and splendid, big 6-inch, fragrant, pink blossoms. No beginner should be without it. Give it generous treatment, light loam soil, moderate waterings and semi-sun. Flowering specimens, 50¢ small, 35¢ and.....

25¢

BRAZILIAN ROCK CACTUS

Monvillea Cavendishii

A thoroughly worthwhile cactus for those who like flowers. Blooms with amazing consistency throughout the summer months. Flowers are followed by 2-inch oval fruits, crimson in color and very ornamental, as well as good to eat. Rich loamy soil, moderate waterings, sun or shade. Large, 10-inch flowering size, 50¢; smaller, 6-inch and 7-inch, 35¢; nice plants.....

25¢



WERKLEOCEREUS

A climbing genus from Central America, with pretty flowers opening at night. The stems, which cling to the tree trunks by aerial roots, are three-angled with few spines.

Werkleocereus glaber. Rather slender pale green stems, bearing pretty white blossoms. A quick and easy grower. Rare. Each.....

50¢

Werkleocereus Tonduzii. Stout stems dark green in color. Bears handsome white blossoms in profusion. Very rare. Each.....

\$1.00

WILMATTEA

An interesting genus of climbing cerei from Guatemala. The flowers are quite fragrant, pink in color. Wilmattea minutiflora, 6".....

50¢

MEDIOPACTUS

A lusty climber inhabiting tall trees in the jungles of Central America.

Mediocactus coccineus. A very nice plant to trail about a window frame. Nice white flowers.....

40¢

At Right:

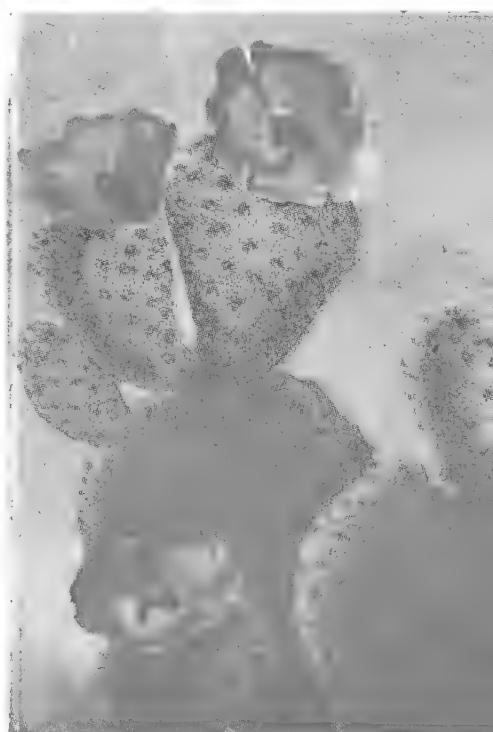
At Right

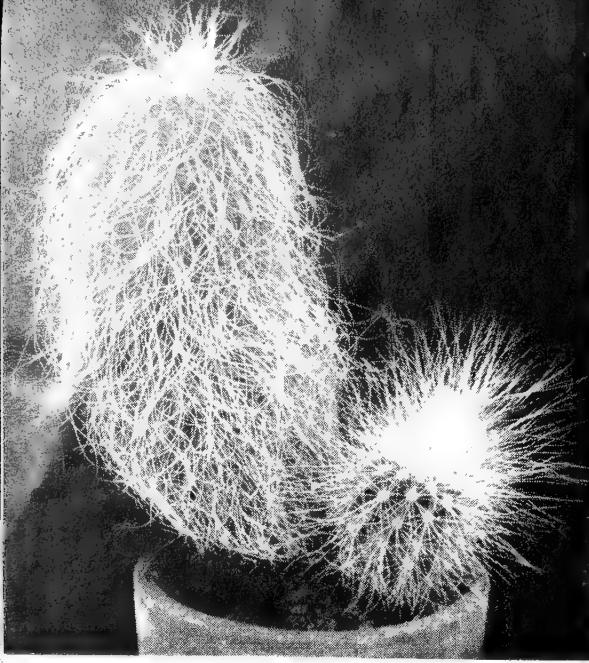
BEAVER TAIL

Opuntia basilaris

The loveliest of all California cacti. Glorious rose-pink blossoms, each glistening petal like crumpled Chinese silk. Sandy soil with moderate watering and full sun or partial shade. 2½-inch to 4-inch.....

25¢





OLD WOMAN CACTUS

A very striking Mexican plant with long, coarse, white hair. *Echinocereus Delaetii* will always be scarce as it must be imported. The plants form clusters up to a foot in height. The 4-inch flowers are bright magenta pink. It is a fine companion for the Old Man Cactus and is treasured by every collector. It likes a very sandy soil, in fact thrives in pure sand with a very moderate amount of water. Give it as sunny a spot as possible. Large 5-6 inch clusters, \$1.50; smaller.....

\$1

WEBEROCEREUS

The plants of this genus are epiphytic, hanging in festoons from trees in Central American jungles. The branches are long and often thinner than a pencil. Quite pretty in color.

Weberocereus Bolleyi. A very nice species for the window garden, as it grows freely, the slender branches pendant and easily trained along the window casing. Flowers bright clear pink even in tiny buds. Very pretty. Likes semi-shade and abundance of water. Each.....

30c

Weberocereus sp. nova. A lovely round stemmed species with deep pink flowers.....

50c

CORRYOCACTUS

These branching, spiny cerei are native to the very barren desert hills of southern coastal Peru. Flowers orange-red to yellow. There they are omnipresent, often forming thickets.

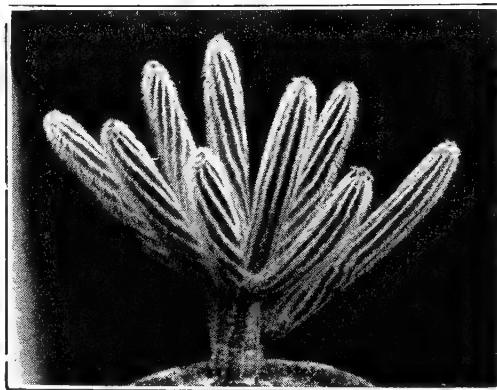
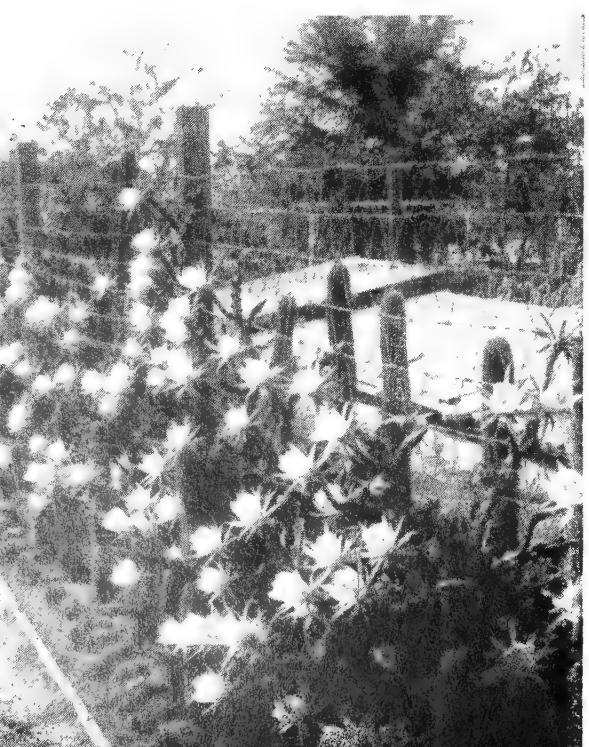
Corryocactus brachypetalus. A tall form with many spines and branching freely from the base. Flowers right on the tip, rich orange. A good specimen cactus. 6-7 inches

50c

MOON CEREUS

A fence at our nursery with *Eriocereus Martinii*. They are extremely free flowering, over 100 blossoms when the photo was taken. Flowers succeeded by handsome scarlet apples. Enjoys a rich sandy loam soil, moderate to plenty of water and full sun or semi-shade. While growing in summer feed with Cactus Food. 10-inch plants, 50c; smaller, 5-6 inch, 25c

25c

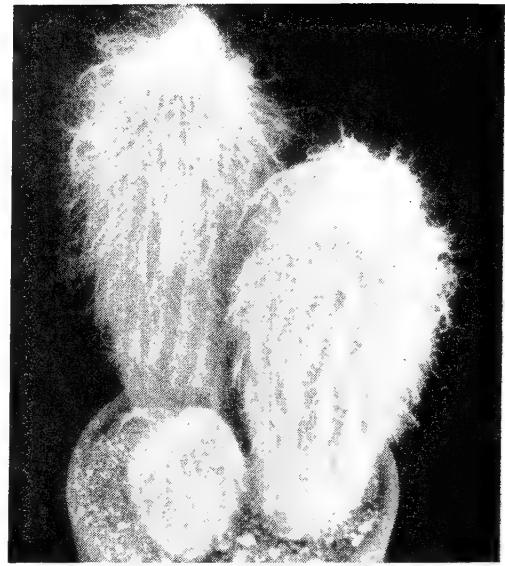


LAMBS TAIL

Wilcoxia senilis

This dwarf cereus bears wool on its finger-sized branches and during early summer quantities of star-shaped, charming clear pink blossoms. The one illustrated bore 35 lasting some weeks. Grafted on Princess of the Night, on which they grow freely, making long lived specimens. Nice branched grafts.....

75c



PERUVIAN OLD MAN

Euphorbia lanata

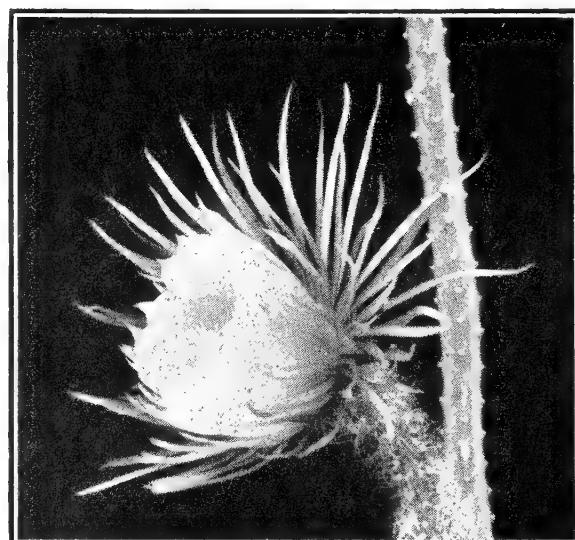
The Old Man Cacti always attract attention because of their venerable appearance. The Peruvian varieties differ from the Mexican kinds, their hair being much finer, like cotton, and grow somewhat more rapidly. They come from high elevations, where they grow on the rocky slopes of the mountains. We have some clean, bright specimens, 6-7 inches, at \$1.50; 4-5 inch beauties, \$1.00; 1½-2 inch, 35c; 1-inch very white specimens.....

25c

WILCOXIA

There are several lovely species in this very pretty group, all bearing quite handsome blossoms. They are native to Mexico, where they grow amongst the shrubs, sending their slender arms upward to flower above.

Culture: Our plants are all grafted, as they grow more freely in this manner. The stock likes a porous, light soil and a fair amount of water. See below:

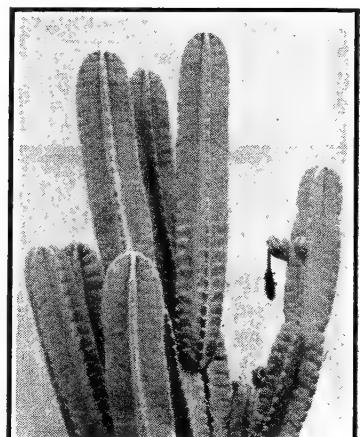


PRINCESS OF THE NIGHT

Selenicereus pteranthus

A glorious blossom and one of the largest in the cactus family! It is the most satisfactory and freest in bloom of this group. Grows rapidly and without special care, flowering during the summer. Even small plants will bloom on matured stems. Loam soil, semi-shade and moderate to generous waterings. Large flowering size, 15 to 18 inches, 75c: nice plants, 50c and.....

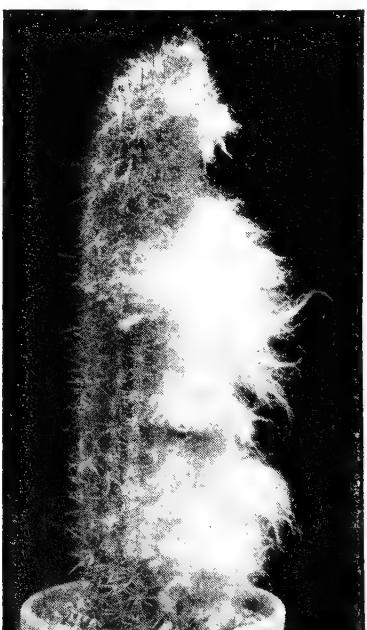
35c



FLOWERING TREE CEREUS

A free blooming specimen plant and pretty even in small sizes. Everyone enjoys *Cereus gonianthus* because of its large lily-like flowers and handsome, sweet fruits. 4-6 inch, 35c; 2-3 inch.....

25c



WOOLLY TORCH

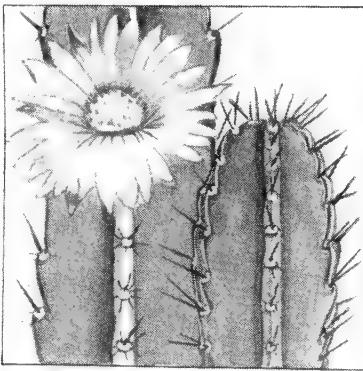
A handsome plant, *Cephalocereus Palmeri* is one of the best and most easily grown. Begins to get wispy hair in the areoles when less than 6 inches tall. The plant body becomes a beautiful powdery blue. Blue tip cuttings with long hair, rooted, \$1.50; 7-8 inch, 75c; 6-7 inch, 50c; 3-4 inch.....

35c

THRIXANTHOCEREUS BLOSSFELDIORUM

A new genus from northern Peru. I have just seen a mature plant and consider it one of the prettiest new cacti I am familiar with. It does not develop its full beauty until it reaches flowering size at about 2 feet. The pseudocephalium is on one side and consists of a copious brush of woolly, white spines. The plant does not branch at all, the body dark green but completely covered with black tipped, grey, bristly spines. Of very easy growth, liking a loamy soil and very moderate waterings. Does best in full sun. 6-8 inch specimens..\$1

LEMAIREOCEREUS

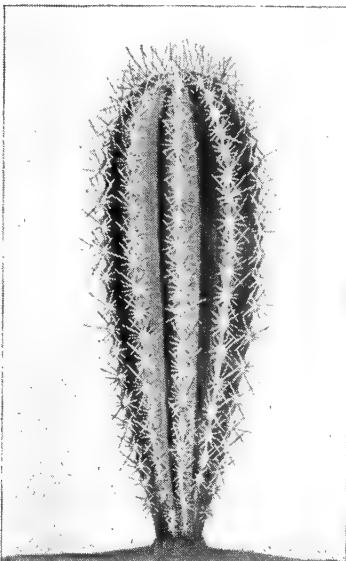


CEREUS MILESSIMUS

A handsome tree cereus with many snowy blossoms tinged with red on the sepals. Fruits large, sweet. Give them a rich loam and moderate watering. 5-6 inch.....**25c**

Cereus alacriportanus. A fine, tall, much branched tree. Fruit large, delicious, each 4-6 inches.....**35c**

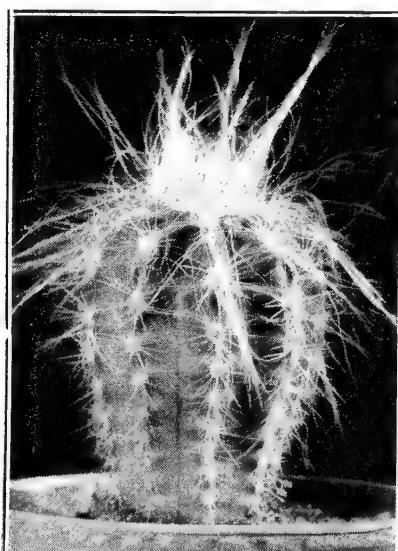
Cereus chalybaeus. A tall heavy spined species.....**35c**



BRAZILIAN TORCH CACTUS

A handsome Old Man Cereus growing to several feet but charming in all sizes. The deep green stems with low ribs gemmed with white areoles set with soft, shining, tawny spines. *Cephalocereus arribabae* is a quick grower. 6-8 inch. **50c**; 2-4 inch.....**35c**

CEPHALOCEREUS POLYLOPHUS. A magnificent, many ribbed, thick stemmed species growing several feet tall. Small plants make prize winning specimens. A noble species. Plants ready after May 30th.....**25c**



OLD MAN OF THE ANDES

The Oreocerei are among our very choice plants and now are very scarce. They bear long, wispy, white hairs and stout brown spines. *Oreocereus celsianus* grows high in the Andes on barren slopes. They may reach a height of 3 feet. Nice, 1½-2 inches.....**75c**

A splendid group of tree cerei, often reaching a great size. They are found from Mexico to Colombia. The trees are much branched and many bear edible fruit, some being grown for this purpose. Young plants are very pretty.

Culture: Young plants like light loam soil and are vigorous growers. Give them plenty of light and moderate waterings.

Lemaireocereus pruinosa. See illustration on page 22.

Lemaireocereus candelabrum. A very large species linked with L. Weberi. Seedlings very pretty. Nice plants after June 1st.....**25c**

Lemaireocereus Hollianus. A beautiful, bolt upright species with long spines and few branches. Used for fences in Mexico. A very fine plant. Ready after June 1st.....**25c**

Lemaireocereus Weberi. A huge species from central Mexico. Forms a much branched tree. Young plants are quick growing and very attractive. Ready after June 1st. Each.....**25c**

TRICHOCEREUS

Glorious flowers are borne by almost all of these popular plants. Among them are many of our garden favorites that experienced collectors class with their choicest specimens. They vary from small clustered species to giants 25 feet tall and are very numerous on rocky slopes from the lower hills almost to the snow-line. From South America.

Culture: Very easy to grow, these vigorous rooting plants thrive everywhere. Give them sandy loam soil with Cactus Compost, moderate waterings, and for flowers a good winter rest. Full sun or semi-shade.

Trichocereus Bridgesii. An erect growing species with blue-grey stems and few long stiff spines. Stems branch from base, forming tall clusters. Cuttings. 10 in., \$1. 6-8 in.....**75c**

Trichocereus candicans. A fine species forming rambling clusters, the stems with stout spines and freely bearing very large, fragrant, snowy-white flowers. Easy to flower and grow. Nice plants, 4-6 inches, **50c**; smaller.....**35c**

Trichocereus candicans robustior. A vigorous variety with stout spines. Nice.....**50c**

Trichocereus chiloensis. A rare, tall, heavy spined species. Each.....**75c**

Trichocereus cuscoensis. A tall growing species with stout spines. Cuttings. 8-10 inches.....**\$1**

Trichocereus huascha. Certainly one of the most gorgeously flowered of all cacti. Flowers bright golden yellow, 6 inches in diameter. A beautiful plant and easy to grow. Nice plants, 3-4 inches, **40c**; each.....**25c**

Trichocereus huascha rubra. Flowers brilliant shining red! Very lovely. Nice plants.....**35c**

Trichocereus Knuthianus. A large, heavily spined tree species. Very rare. Cuttings.....**\$1.50**

Trichocereus lamprochlorus. Forms compact clusters 1 to 2 feet tall. Lovely large white flowers. Each.....**35c**

Trichocereus Schaferi. Gigantic white, Easter-lily flowers. A beautiful plant at all times. 3-4 in. Each.....**35c**

Trichocereus litoralis. A huge, columnar species branching very freely. Spines long and heavy. 8-10 inch cuttings.....**\$1.50**

Trichocereus macrogonus. A tall, very heavy stemmed plant with large white flowers. Large cuttings.....**\$1.50**

Trichocereus Pachanoi. Almost spineless deep green stems and very pretty. Free blooming, with scores of huge white blossoms. 10-inch cuttings.....**\$1.25**

Trichocereus purpureopilosus. A small, much branched species. Very pretty. Flowers white. Nice.....**40c**

Trichocereus santiaguensis. 3-inch thick stems to 4 feet tall, forming clumps. A pretty plant and easy to grow. 3-6 inches.....**35c**

Trichocereus strigosus. Clump forming, growing to 12 inches. Very spiny.....**75c**

Trichocereus Terscheckii. A giant species. Noble. Stands 10 or more degrees of frost. Large for planting out. 6 inches or more.....**\$1.00**

Trichocereus thelegonus. A creeping snake-like species and one that blooms regularly. Flowers large and handsome. 6-8 inches, **75c**; 3-4 inches.....**25c**

Trichocereus thelegonus x Echinopsis. Large flowering size. Stems short, thick, very short spines. White. Large flowers.....**75c**

SETICEREUS HUMBOLDTII

A plant discovered in 1823 in northern Peru, but only in late years has material been available for study. Britton and Rose placed it in Borzicactus, from which it differs in bearing its red, tubular flowers in a head of stiff bristles. A fine distinct species for the collector. Nice bright plants, 2-3 inches.....**35c**

LEPTOCEREUS

A rare genus from the West Indies. The plants are very spiny, the branches long and sharply angled, less than one inch in diameter. A collectors item, but quite interesting.

Leptocereus Grantianus. Very spiny much branched plant. Spines yellow.....**75c**

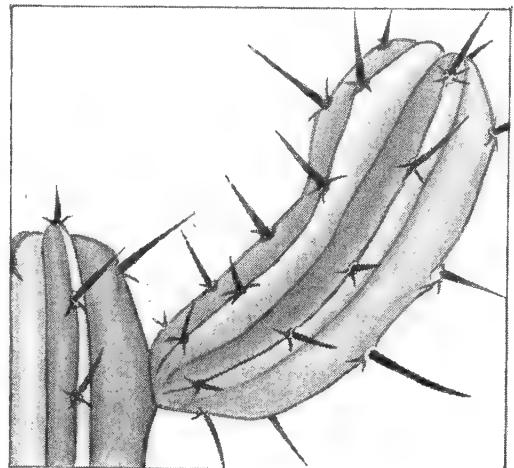
Leptocereus Leonii. Brown spines. Scandent in habit. From western Cuba.....**75c**

Leptocereus quadricostatus. 4-angled stems, quite long branches, moderately spined. Vigorous Grower.....**50c**



PERUVIAN APPLE

The small plants of these tree cerei are very popular. They are shaped like a club with 4 to 7 angles each set with brown spine clusters. The fruits are large, up to 11 ounces, are spineless, crisp and sweet. Red or yellow. Grow easily in loam, 8-10 inch, **50c**; 4-5 inch, **35c**; small.....**20c**



BLUE MYRTLE CACTUS

A lovely blue stemmed species, *Mytillocactus geometrizans* is columnar and almost spineless in small plants. Branched with short heavy arms. White, myrtle-like flowers. 8-10 inch, **50c**; 4-6 inch.....**35c**

Mytillocactus Schenckii. Green stemmed. 6-8 inch.....**50c**

NEORAIMONDIA MACROSTIBAS

A fine, rare cereus from Peru. Stems bear large chestnut brown areoles which increase in size annually. A choice plant for the collector. Stems dark blackish brown. Pretty.....**40c**

OUR CACTI IN NEW ZEALAND

My box of Cacti arrived in very good condition. I was delighted to receive them so promptly. Agnes E. Finnie, Dunedin, N. Z.

WHITE BOWER CACTUS

Forms handsome, pale green clusters, each stem gemmed with small stars of russet spines. Flowers huge and snowy white. *Trichocereus Schickendantzii* will often bear a dozen at once. Make fine specimens, branching very freely. Larger plants, 5-6 inches, **50c**; smaller, **35c** and.....**25c**



FASCINATING BARREL CACTI or ECHINOCACTUS



PARODIA MUTABILIS

(Natural Size)

The Parodias are all lovely plants with beautiful and bright blossoms. This sterile variety has orange yellow blossoms, often with a red throat. Even small plants produce several blossoms in May and June. The plant is very elegant and free blooming. Of the easiest culture. Give it a light loamy soil, moderate watering and sun or semi-shade. Large 5-year-old plants, \$1.00; 2-inch, 50c; flowering sizes, 35c and.....

25c

ASTROPHYTUM

To this grand group belong some of the most popular and pretty cacti found in Mexico. All are very free flowering, producing blossoms all spring and summer. They are all small or medium sized globular cacti and seem particularly happy in cultivation. Their unique shape and texture make them appear as though carved from stone. No collection can be without them. Highly recommended.

CULTURE. They grow readily in the window garden and are not too particular, liking a sunny position if you have it. Give them a sandy soil and when growing an occasional application of Cactus Food. Moderate waterings, allowing them to become dry between watering. This is important with all cacti and is the best of all insurance for success and blossoms! I have found them to enjoy a little lime in the form of old mortar or powdered dry eggshells. Our Cactus Compost contains the lime necessary. A sprinkling of charcoal mixed with the soil helps to keep it sweet and open. If you do not have these things do not let that deter you, for they are truly easily grown.

BISHOP CAP. *Astrophytum myriostigma*. Illustrated page 29 in full color. One of the most attractive and free flowering of cacti. Blooms several times during spring and summer. Everyone can flower it, as it blooms when young and is most easily cared for. Put it in a sunny window and it will reward you with its cheerful yellow blossoms many times. Moderate waterings. Mature flowering. 3-inch, \$1.00; 2-inch and 2½-inch, flowering, 50c; 1½-inch, 35c; small 1-inch....**25c**

Four-sided Bishop Cap. A collector's rarity. Always has four sides. Blooms and grows just as freely as the ordinary 5-sided type. Each, 1¼-in. to 1½-in.....**60c**

VIOLET SEA URCHIN

Acanthocalycium violaceum (Two-thirds Natural Size)

A lovely flowering small cactus blooming profusely during the summer. The blossoms are particularly bright and shining and the color is most pleasing. Flowers when small, the number of blossoms increasing yearly. They may reach 4 inches in diameter. Native of Argentina. Grows very easily in light loam, moderate waterings and sun or semi-shade. 3-inch specimens, \$1.00; 2-inch, 50c; nice 1½-inch.....

25c



GOLDEN EASTER LILY CACTUS

Bearing handsome, large bright yellow flowers. It flowers very freely and with us every bed is shining with blossoms. I consider Lobivia aurea one of the choicest varieties and recommend it fully. It grows easily in light loam with moderate waterings and almost full sun suits it. Fine 5-year-old flowering specimens, \$1.00; smaller flowering, 50c and.....

35c

ASTROPHYTUM (Continued)

Astrophytum myriostigma coahuilensis. Whiter than the type and with red seed pods. 2-inch, each.....

90c

Astrophytum myriostigma columnaris. This is much taller and slenderer and quite white. Very free flowering. Flowering size, 2-inch and 2½-inch, each.....

60c

Astrophytum myriostigma potosina. Darker and faster growing. Each.....

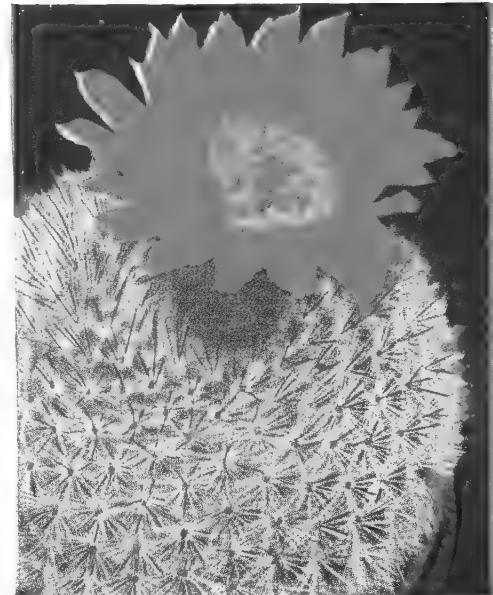
35c

Astrophytum capricorne. A splendid species with very handsome 3-inch golden yellow blossoms having a red throat. Petals like satin! A small species bearing few papery spines. 1½-2 inch, **75c**; larger.....

\$1.00

Astrophytum cap. senilis. More feathery spines. Large.....

\$1.00



SILVER BALL

An elegant silvery spined small cactus which always attracts admiring attention. Notocactus scopula grows quickly and easily under all conditions. A native of Brazil. Likes sun or partial shade, moderate waterings. 2-2½ inch 4-year-old specimen flowering plants, \$1.00; 1½-inch, 50c; nice plants, 35c and.....

25c

BRITTONIA DAVISII

A monotypic genus from Texas. It is similar to a red spined Echinocactus and bears nice yellow blossoms. May reach 8-10 inches in diameter. Grows freely in light soil with moderate watering. Very pretty. 1½-2 inches.....

30c

NEOPORTERIA

A rare Chilean genus often found on cliffs overhanging the seashore. They vary considerably in appearance. The flowers are most attractive, of large size, and freely produced. Give them a sandy loam soil and during their season of growth moderate waterings. Rest well during winter by withholding water.

Chilean Old Woman. *N. nidus*. Very scarce. One of the most striking white haired cacti in existence. The plant is hidden in a thicket of coarse, curling white hair. One of the loveliest flowering plants with exquisite long pink blossoms. We have only a few plants. Nice.....

\$1

Black Cactus. *N. nigricans*. Very scarce. Body of plant almost black, a strange color for any plant. Flowers dark garnet red. Each.....

\$1

STROMBOCACTUS

A very rare and slow growing genus from Mexico. Plants flattened-globular with very few spines. Flowers white. Strictly collectors' items. They need full sun and sand or very sandy soil, watering only when quite dry.

Strombocactus disciformis. A very curious, almost spineless grey-green plant. Mature 2-2½ inch flowering plants. Each.....

\$2

Strombocactus pseudomacrothele. A rare, quite different plant an inch in diameter when mature. Forms clusters. Spines strawlike. Very choice. Mature.....

\$1



EASTER LILY CACTI

The Echinopsis are all handsome flowering plants, some with 10-inch blossoms. They flower profusely even when small and are of the very easiest culture. A porous loam, moderate to generous waterings, sun or semi shade. Cactus Food when growing. They are native to South America—Argentina, etc.

Echinopsis albiflora. Handsome free flowering, the snowy white blossom 6 in. long. Charming 3-in., 50c; smaller....**35c**

Echinopsis calochlora. Handsome tender green plants, yellow spines. Large, frilled white blossoms. 1-1½ in., ea....**35c**

ECHINOPSIS HUOTTII. Huge white blossoms. Highly recommended. Large flowering, 5-6 inch, **75c**; Smaller, **35c** and.....**25c**

Echinopsis. Heavenly Twins. A splendid almost spineless plant with large handsome pale pink double-tubed flowers. Unique**75c**

ECHINOPSIS JOHNSON'S HYBRID. A lovely, large, dark pink flowered plant growing to 18 inches tall. Extremely free blooming, often with a dozen 8-inch ruffled, fragrant blossoms. Nice**50c**

Echinopsis leucorhodantha. White tinged pink. Dwarf plant**35c**

ECHINOPSIS LOS ANGELES. A very handsome cactus. Body bright green, ribs set with white areoles. Grows to 16 inches tall. Huge ruffled blossoms, dark pink. Very free flowering. Nice plants**50c**

Echinopsis obrepanda. Handsome ruffled white flowers. **75c**

Echinopsis oxygona hybrids. A pretty group varying shades of pink blossoms. Flowering sizes, 3-inch, **50c**; 2-inch.....**35c**

Echinopsis polyancistra. Dark green spineless plant, beautiful 5-inch white flowers. Flowering, **75c** and.....**\$1.00**



PYGMY EASTER LILY

Echinopsis hamatacantha

This lovely pink or white flowered species will please you. Often bears 4 or 5 flowers at once. Flowers off and on for months. Very easy to grow, sandy loam, moderate water, sun or semi-shade. Large 3-inch specimens, \$1.00. Smaller flowering plants, 35c and.....**25c**

HEDGE HOG BARREL CACTI

A prominent feature of our South Western deserts and Mexico. Plants barrel-shaped, often quite large. The ribs are waved with heavy curved spines. Top is full of white wool around which the flowers emerge.

Culture. They are quite shallow rooted and grow easily in a sandy soil and sunny position. A moderate amount of water and fairly small pots. Do not over-pot any spiny cactus.

Golden Barrel. *Echinocactus Grusonii*. See p. 31. **25c**

Eagle's Claws. *E. horizonthalonius*. See page 34. **25c**

Giant Barrel. *E. ingens*. A pretty plant when small with blue body and dark curving spines. They live to great age and become enormous, weighing a ton. Grows on rocky mesas in Mexico. Very pretty red spines. Grows rapidly. Nice plants, 1-1½ inches. **25c**

Echinocactus Palmeri. A very large species up to 6 feet. Spines heavy curved. Rare. Nice plants.....**25c**

ARIOCARPUS

Different from all other cacti. See color plate, Page 33. Very curious plants with handsome flowers. White wool in tubercles. Splendid for exhibition! Real show plants! Plant in sand, watering when dry. Likes sun. All offered are mature, flowering, imported plants.

Ariocarpus Kotschoubeyanus. A very handsome and unique plant. Mature specimens.....**\$1.00**

Ariocarpus McDowellii. Handsome with rose colored flowers**\$1.00**

Ariocarpus retusus. With flat, white, deltoid tubercles. Very unique. Large white flowers, 4-5 inch specimens.....**\$1.50**

Ariocarpus trigonus. Long tapering tubercles. Plant olive green. Large flowers. Mature 5-6 in. specimens.....**\$2**

LEMON BALL

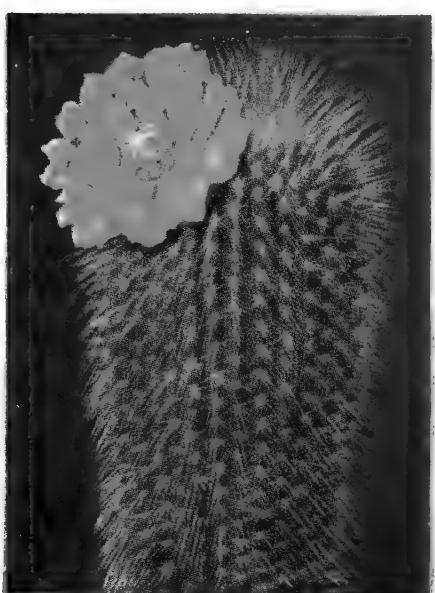
The very freest blooming and easiest to grow, *Notocactus submammulosus* should be in every collection. Light sun with moderate waterings increased when growing. Flowers for weeks. Mature 3-4 inches, \$1.25; smaller 35c and.....**25c**

GLORY OF TEXAS

Gorgeous, crepe-like, brilliant pink blossoms over 2½ inches across. Blooms from spring to fall. Flowers for everybody. Light soil with moderate waterings. *Thelocactus bicolor*, flowering sizes, 4-inch, **50c**; 2 to 3-inch.....**35c**

RED CROWN

The Crown Cacti are a very lovely group of small growth and bearing very vivid blossoms. *Rebutia senilis* has bright red blossoms and produces quantities of them. I have seen specimens with almost 100 blossoms open at once! The plants are clothed with tiny white spines and are attractive at all times. Sandy soil, moderate to generous waterings, part shade. Large 1½-2 inch, **50c**; nice 1-1½ inch.....**35c**



COLDEN BALL

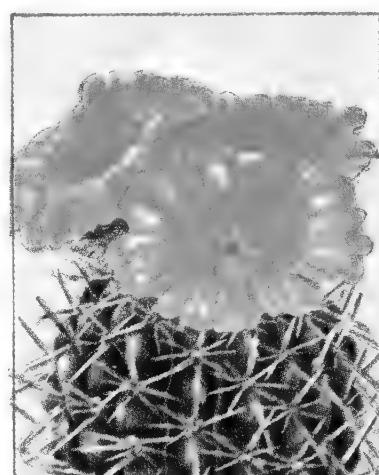
A lovely golden haired species, a great favorite always attracting attention. One of our choicest plants. *Notocactus Leninghausii* grows with moderate waterings, sun or semi-shade. Handsome flowering specimens, 4-5 inch, \$1.00. Fine colorful plants, 50c and 35c. 1-inch beauties.....**25c**

HARDY HEDGE HOG CEREUS

These plants bear gaudy, bright rose-pink blossoms 2 inches to 2½ inches across. They flower freely several times during the summer. Plants conical, 2 inches to 4 inches tall. Grow easily in sandy soil. Moderate water. Large flowering, each.....**30c**

WHITE CHIN CACTUS

A rare and fine plant, dark green in color and bearing heavy spines. Charming pink and white blossoms in early summer. *Gymnocalycium Schickendantzii* grows readily in sandy soil with moderate watering. Large 2-inch to 3-inch, **75c**; smaller.....**30c**



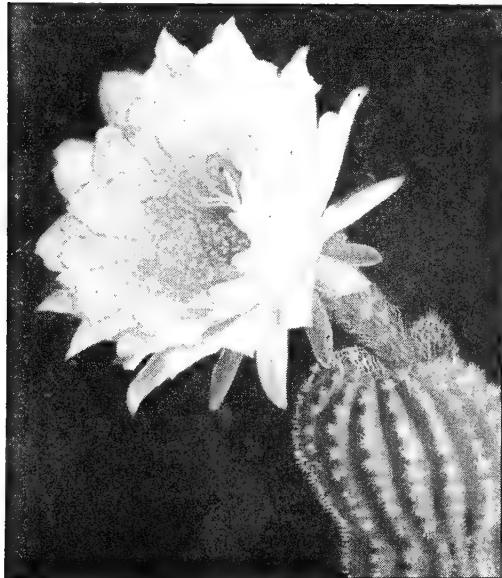
SELECT COLLECTION No. Q14. One Each of Illustrated Cacti. Four Plants.**\$1.10**



NOTOCACTUS MAMMULOSUS

This favorite has handsome bright yellow flowers. Surprisingly floriferous and easily grown. Enjoys light loam, moderate waterings. Sun or semi-shade. Large flowering specimens, 2-3 inch, \$1.00. Smaller, 50c to 35c. Nice, 1-inch, each.....

25c



WHITE CUP CACTUS

Trichocereus Schaferi

Bears quite enormous snow white blossoms, tinged pink. The succulent pale green stems are gemmed with short harmless spines. Grows easily in light loam, moderate waterings. Nice specimens, 50c, 35c and.....

25c

GRIZZLY BEAR

An old favorite, *Opuntia ursina* will be one of your prized specimens. Long flexible white spines give it appearance of an Old Man Cactus. Grow in sand with very moderate waterings. Fine plants.....

35c

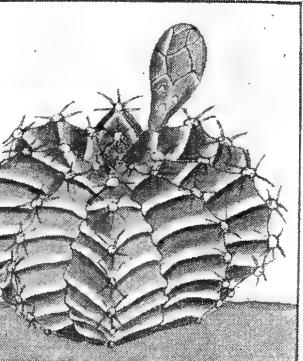


BARREL CACTI

FEROCACTUS

These are familiar sights in the heat tortured desert mountains of the South West, standing sentinel over the lonely wastes, golden in the purple twilight. A porous sandy loam, remembering not to keep their feet wet and a sunny position.

CANDY BARREL. Ferocactus Wislizeni. A fine Arizona species with stout, hooked, quite red spines. Fairly rapid growth and one of the easiest to grow. It is commonly used to make the famous cactus candy, 2-inch, 35c; nice 1-1/2 inch.....



PLAID CACTUS

Gymno. Mihanovichii stenogonum

A very brightly banded form of this lovely Chin Cactus. Silvery-green with maroon bars with a frosted appearance when seen in the sunlight. Very easy to grow. Fine flowering specimens, 2-inch, 75c. Flowering size, 1-1/2-inch, 50c. Nice well colored plants, each.....

35c

Indian Fish Hook. Ferocactus corniger. A very fine plant with a wide horny hooked red central spine in each cluster. Very choice. Flowers crimson or yellow. A colorful plant. 3-in., 50c; Nice plants, 35c and.....

Ferocactus Covillei. A choice, scarce plant with hooked spines. Nice.....

35c

Ferocactus echidne. Globular plants to a foot in height. Ribs very acute. Not many spines. Choice 1-1/2 inch.....

35c

Ferocactus Fordii. Very rare colorful species up to 6 inches tall, with red and yellow spines. Nice 1-1/2 inch plants.....

35c

Ferocactus Lecontei. Quite scarce. Globular to 16 inches diameter.....

40c

FISH HOOK CACTUS. Ferocactus melocactiformis. Long fishhook-like spines, yellow and red. One of the prettiest and best. Everyone likes it. 2-1/2-3 inch, 50c; smaller.....

25c

Ferocactus pilosus (Stainesii). A fine colorful species with reddish spines and long white hairs at the areoles. Flowers orange red.....

35c

GIANT SPINED BARREL CACTUS. Ferocactus rectispinus. The longest spined of all cacti. With age spines reach 9 inches! Young spines bright red. Very pretty small plants, 1-1/2 inches.....

25c

Ferocactus robustus. Forms large clusters. Ribs wavy. Plants dark green, 2 inches.....

40c

Ferocactus Townsendianus. A species from Baja California. Spines bright red. Very scarce plant. Fine colorful plants, 1-1/2 in. Ea.....

25c

Ferocactus uncinatus Wrightii. Small plants with long hooked spines. Flowers red. Flowering imported, 4-5 inch specimens.....

75c

Ferocactus viridescens. A pretty dwarf species from San Diego. Easy to grow. Nice plants.....

25c

FEROCACTUS VISCAINIENSIS. A rare species from Baja California. Red spined colorful. Nice.....

25c

MALACOCARPUS

A fine South American genus of globular, ridged cacti with incurved spines and bright yellow crepe de chine flowers. Excellent for pot culture. Give them a light loam soil, moderate watering and a trace of shade in summer.

Malacocarpus corynodes. Very recently introduced, this fine species is a native of Uruguay. The plant may reach 4 inches in diameter, with 13-16 acute ridges. The depressed top is filled with white, felted wool. Flowers 2 inches wide, canary yellow. Large flowering specimens, 2-1/2-3 inches, \$1.50; smaller, 1-inch each.....

50c

Malacocarpus mammillarioides. Rare species from Chile. Large plants, 2 inches, each.....

75c

Malacocarpus pauciareolatus. A handsome dark green plant with few sharp, low ridges and few spines. Very rare. 2-inch to 3-inch flowering.....

\$1.00

Malacocarpus Sellowii. A rare species with sharp, low ribs. Dense white wool in center. Flowers shining yellow. Small plants, 1-1/2 inches, each.....

50c

AGAVE CACTUS

Leuchtenbergia principis

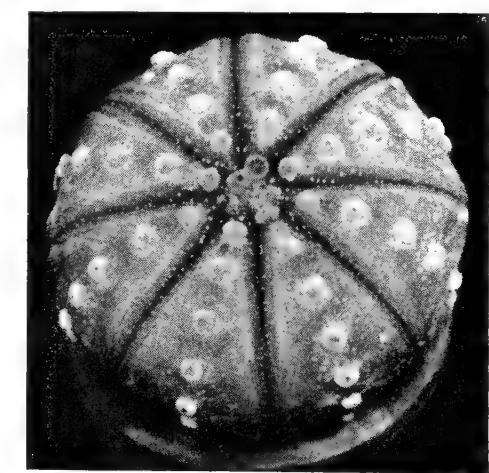
A very interesting species from Mexico. Looks more like a Century Plant than a cactus. Nipples long and triangular, with several papery spines crowning the tip of each. With age it has a distinct trunk. Flowers large, pale yellow. Very choice. Nice 2-1/2-3 inch plants, well characterized.....

50c



A SMALL CACTUS FAN

This young lady is just as interested in her cacti as is her mother. Note the Easter Lily in flower near the little girl. The collection of Mrs. Inez Baker, Grover Hill, Ohio.



SAND DOLLAR

Astrophytum asterias (Natural Size)

One of the oddest cacti, entirely spineless and freely bearing large yellow blossoms with red throats. Very rare even in the wilds. Sandy soil and very moderate waterings. Semi-sun. Mature flowering plants, each.....

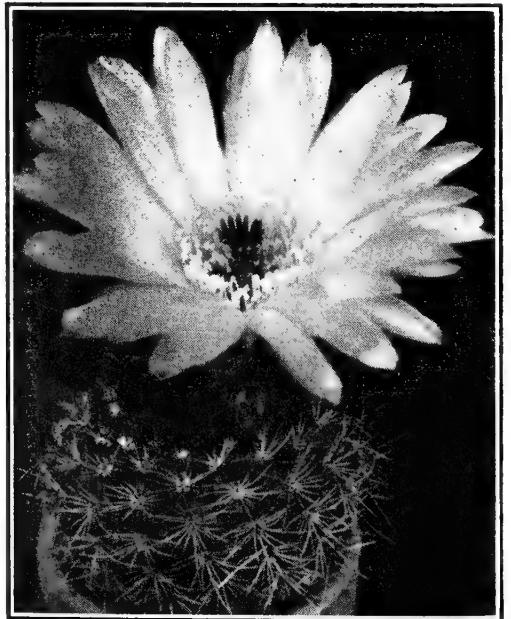
50c

SUN CUPS

Notocactus aprius (Natural Size)

A charming spring blooming cactus that bears flowers much bigger than itself. One of my favorites, growing so easily, flowering so freely. The buds are covered with chestnut wool until just before the cheerful yellow blossoms appear, each with a velvety red stigma among the pale stamens. From Uruguay. Give it sandy soil, moderate watering, and as much light as possible. Specimens, 2-2-1/2 inch, 50c. Flowering, 35c. Nice plants, 1-1/4 inch.....

25c



NOTOCACTUS

BALL CACTI

Some of the most fascinating and loveliest cacti are in this group and I much recommend them, knowing they will please in every way. The flowers are particularly bright and cheerful. They are all South American plants.

Culture: Very easily grown in a sandy loam soil and appreciate Cactus Food two or three times during the summer. Give moderate waterings in summer time, a little less in winter. Partial shade in summer.

NOTOCACTUS APRICUS. See page 30 for photo.

Notocactus caespitosus. A newly introduced species with large yellow blossoms. Very rare. Large flowering 50c

Notocactus floricomus. A pretty variety with stout spines and bright yellow blossoms. Each, 1-inch, 35c; 2-inch flowering 50c

Notocactus Graessneri. Yellow Ball. A handsome species, thickly covered with pale yellow spines. Charming. Specimens 1½-inch, 50c; smaller, 35c and 25c

Notocactus Grossei. Very rare species. Similar to N. Schumannianus. Small 75c

Notocactus Hasselbergii. A truly lovely species, thickly covered with glossy white spines and crowned in March and April with vivid orange-red blossoms. Flowering size, \$1.00 each; 2-inch 75c

Notocactus Leninghausii. Illustrated page 29.

Notocactus Linckii. A rare and desirable species with lemon yellow blossoms. Grows somewhat like N. Ottonis. Large flowering specimens, 2-inch to 2½-inch, \$1; smaller flowering, 1½-inch, 50c; nice 35c

Notocactus mammulosus. Illustrated page 30.

Notocactus Mueller-Melchersii. The true species with handsome pink blossoms! Altogether different from the one formerly known under this name. One of the finest of new introductions. Beautiful, 1½-inch flowering size, \$1.00; smaller, 1-1¼ inch, each 50c

Notocactus muricatus. A very rare species. The first time offered here. Nice 40c

NOTOCACTUS OTTONIS. See page 33.

Notocactus ottonis longispinus. A variety quite distinct. Large flowering specimens 50c

Notocactus Ottonis uruguensis. A very handsome variety with rich yellow blossoms that glisten in the sunlight. Each 35c

NOTOCACTUS PAMEANUS. A charming species with spine clusters, quite red when young, and the plant itself with a reddish tinge. Ribs low, strongly tubercled with stiff spines. Flowers quite large, bright yellow. From Uruguay. Large flowering specimens, 1½-inch to 2-inch, 50c; nice 35c

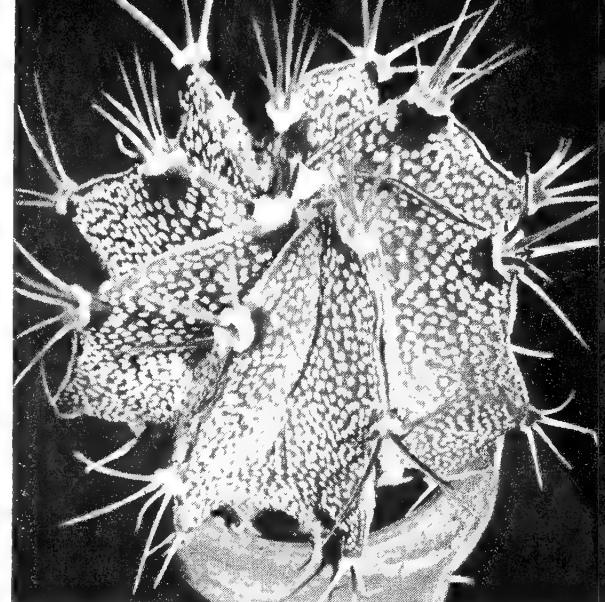
Notocactus Schumannianus. Giant Ball. A fine species with long, reddish-yellow, hair-like bristles. The ridges are very numerous and shallow, the top depressed and filled with wool from which the flowers emerge. A very choice plant. Large, \$1.00; 2-inch, 50c; smaller 25c

Notocactus scopula. Illustrated page 28.

Notocactus submammulosus. Illustrated page 29.

NOTOCACTUS TABULARIS. A fine species with low ridges faintly tubercled and with flexible, reddish bristles. The flower buds are clothed in brown wool opening into handsome yellow blossoms. Large flowering, each, \$1.00; smaller, 50c; fine plants, 1-1¼ inch 25c

Notocactus Velanovskii. Similar to N. mammulosus. Nice 35c

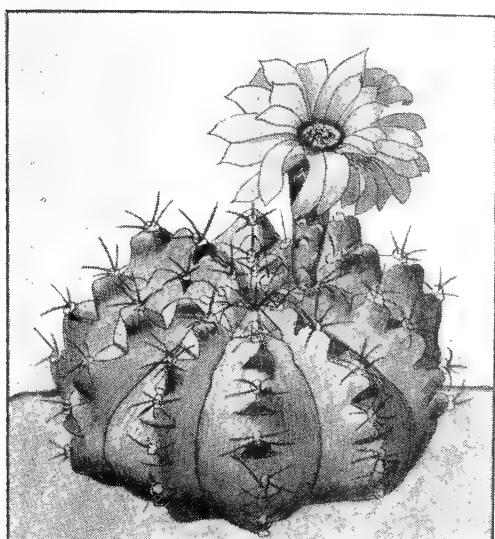


GOLDEN BARREL

Echinocactus Grusonii

These form beautiful golden globes with age and are spectacularly beautiful specimens. A great favorite with collectors. The young plants bear nipples instead of ridges, gradually assuming their mature character. Pretty at all stages with their bright shining yellow spines. Like very sandy soil, moderate watering and sun or semi-sun. Easy and quick growers. Fine 1½-inch, 35c. Small.....

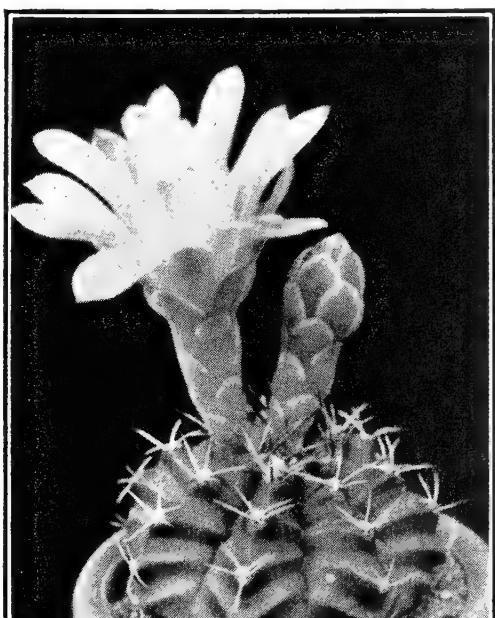
25c



HYBRID CHIN CACTI

A series of handsome hybrids between C. Damsii and G. Mihanovichii. They are very floriferous and bloom when very small, the blossoms ranging from yellow to pink and white, some almost chocolate. Give generous treatment, partial shade. Of the easiest culture. 35c and.....

25c



STRIPED CHIN CACTUS

Gymnocalycium Mihanovichii (Natural Size)

Beautifully striped green and maroon, this is one of the loveliest of dwarf cacti and will flower in any window from early spring to late fall. The blossoms are pale yellow, sometimes tinged with chocolate or pink. Large flowering, 2-inch, 75c. 1½-inch, 50c. Smaller flowering, 35c. Small, each.....

25c



ESCOBARIA TUBERCULOSA

The pink striped flowers appear in early spring. It is related to the Mamillarias and give same care. Forms branched plants. Large flowering.....

25c



STAR CACTUS

Astrophytum ornatum (Natural Size)

Every collection should have this handsome and easily grown old favorite. It is beautifully flecked with a myriad of snowflakes which are really microscopic spine clusters. The large, lemon-yellow blossoms are borne freely throughout the summer. Grows well in semi-shade or full sun. Large 4-in. to 5-in. specimen plants, \$1.50; 3-in. to 4-in., \$1.00; 2-in. to 2½-in., 50c; 1½-in., 35c; small, 1-in.....

25c

ECHINOCEREUS

A very colorful group of North American cacti. Flowers very large and brilliant. They form clusters or are solitary, generally 4-10 inches tall. Bright flowers in spring ranging from yellow and pink to bright red. A splendid genus worth a place in the choicest collections.

Culture: Light sandy soil, moderate waterings in summer, much drier in winter. Sunny position.

ECHINOCEREUS AMOENUS. Handsome, rare, pink flowered, small, solitary plants. Few spines. Mature flowering imports

Echinocereus Davisii. Spineless arms. Long pink flowerers

Echinocereus Delaetii. See page 26.

Echinocereus dubius. Large purple flowers. Grand, Clusters

ECHINOCEREUS FITCHII. Gorgeous ruffled pink flowerers. Splendid, 3-5 inches

Echinocereus Knippelianus. Spineless fat plant. Pink flowers

ECHINOCEREUS LONGISPINUS. Handsome yellow spines. Large frilled pink flowers. Large, 40c; small, 25c

ECHINOCEREUS MERKERI. Large purple flowerers. Clusters

Echinocereus papillosum. Large yellow flowers. Fine clusters

Echinocereus polyacanthus. Crimson flowers. Fine, 1-2 inch

Echinocereus Poselgerianus. 3-inch cerise flowers. 50c, 25c

Echinocereus Scheerii. Handsome purple flowers. Blooming size

Echinocereus stramineus. Purple flowers. Whitish spined. Clusters

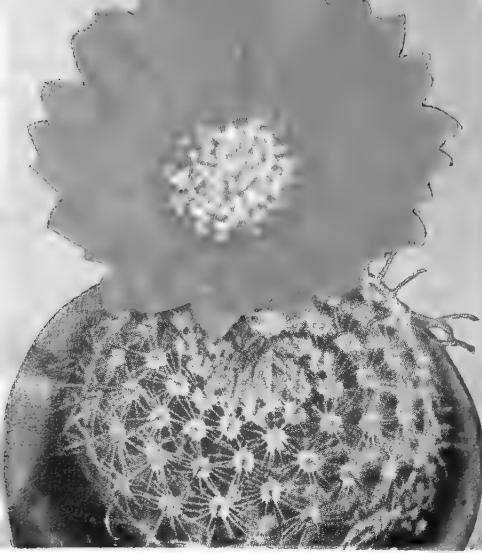
Echinocereus subterraneus. New. Creeps underground. Clusters

DWARF CHIN CACTUS

Gymnocalycium Quellianum

A fascinating cactus with lovely white blossoms flushed with warm pink. Flowers steadily from April till August. Very easy to grow. Stands neglect. Give it a sandy loam, moderate waterings, sun or part shade. Large 5-year-old mature, 2½-3 inch, \$1.00. Large flowering, 35c. Fine 1-1½ inch

20c



TOM THUMB

Parodia aureispina (Natural Size)

The easiest cactus to flower with golden, satin-like petals. The plant, a rich yellow globe with a myriad harmless spines on spiraled ridges. A light soil and moderate water. 2-inch to 2½-inch, flowering. **25c**



GRAFTED PEANUT CACTUS

These form very interesting specimens, being grafted on snake cactus stems. They rapidly form valuable clusters and in spring bear their bright red blossoms. Single stem grafts, each. **75c**

FRAILEA

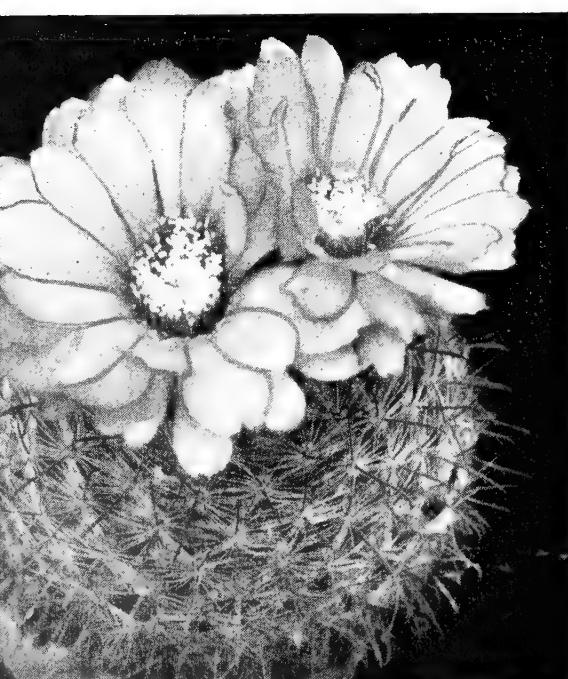
A distinct group of small globular cacti, some solitary, others forming dense clusters. Almost spineless, bearing large yellow blossoms, and make quantities of seed without showing flowers. Argentina.

<i>Frailea gracilima</i> . Slender.....	25c
<i>Frailea Grahliana</i> , Clustering.....	35c
<i>Frailea Dadakii</i> , Close spined.....	40c
<i>Frailea pseudopulcherrima</i> . Nice.....	25c
<i>Frailea Schilzianiana</i> . Clustering.....	25c

CRIMSON PARODIA

Parodia sanguiniflora

Bright ruby red flowers! One of the surest to bloom and easiest to grow. Blossoms in May and June. From Argentina. Give it semi-shade, sandy soil, moderate waterings. You will want it. Larger, 35c; 1-inch plants **25c**



PARODIA

Elegant globular plants bearing the brightest of blossoms, ruby-red, orange or yellow, often as large as the plant. They are mountain dwellers found principally in Argentina. The plants seldom exceed 3 inches in diameter.

Culture. They are quite at home in the window garden and enjoy a sandy loam soil, semi-shade and moderate watering. Cactus Food applied once or twice during the summer helps to keep them blooming.

Parodia aureicentra. A very rare species from Argentina growing at 10,000 feet elevation. The ribs are spiraled, set with golden brown spines, the central one hooked. The plant is orange-shaped and at the top bears blood-red flowers. Nice 1-inch plants. **50c**

Parodia aureispina. Tom Thumb. A handsome species very easy to flower. See color illustration at left.

Parodia chrysacanthion. An exquisite plant when well grown. The plant is a brilliant shining yellow globe with straight glassy spines. It may reach almost 4 inches across, and even the least plant minded person is delighted. We have at last grown a small lot. Fine young plants, ¾-1 inch, each. **35c**

Parodia sanguiniflora. See below at left. A handsome ruby red flowered elegant plant. A real jewel. Fine plants. **25c**

Parodia scopioides. A fine species with bright orange flowers. Large flowering, **50c**; smaller, **35c**; 1-inch, **25c**

Parodia Maassii. A rare species with red-brown, hooked spines. Flowers dark orange-red. Few plants only. Each. **\$1.00**

Parodia Stuemeri. Rare hook-spined species. Scarce. **\$1**

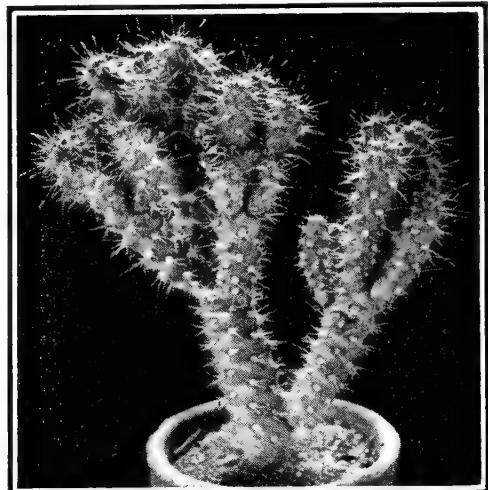
Parodia tilcarensis. Rare straight spined species. Scarce. **\$1.00**



PINK CHIN CACTUS

Gymnocalycium Fleischerianum (Natural Size)

A very floriferous variety with charming flowers varying from white to pink. They come into bloom in April and flower till early fall. Our plants are rarely without blossoms. The plants blossom when an inch in diameter. Grows very rapidly and easily, liking a sandy loam soil with feedings of Cactus Food. Semi-shade and moderate waterings. Large flowering specimens, 3-inch, each, **\$1.50**; flowering, 2½-inch, **\$1.00**; 1½-inch and 2-inch, **50c**; smaller flowering, **35c**; nice plants. **25c**



QUEEN OF THE NIGHT

An old favorite with huge 12-inch blossoms. *Selenicereus Macdonaldiae* is free blooming, growing quickly and easily, liking partial shade, light sandy soil and moderately generous waterings during the summer. The flowers are truly magnificent, the outer petals golden yellow, the inner ones snowy white. They bloom on last year's stems and are more sure to bloom if outdoors in the sun in summer. 15-18 inch, **35c**. Smaller, each. **\$1.00**

MELOCACTUS

TURKS CAP

Some of the oddest of all cacti. Each mature plant bears a red cephalium shaped like a Turkish fez. They are native to the Caribbean region and to Central and South America and everywhere attract attention. They enjoy warm weather and a sandy soil, moderate waterings and part sun.

TURKS CAP. *Melocactus intortus*. A fine species, easily grown. Plants with fully developed cephalia are great curiosities and much sought after. Beautiful small specimens, 1½ in., **40c**

Melocactus Jansenianus. Small. **40c**

Melocactus Lemairei, 1¼ inches. **75c**

Melocactus nobilis. Small. **50c**

Melocactus rubrispinus. Small. **40c**

Melocactus spiralis. Small. **40c**

PELECYPHORA

An extremely rare genus in cultivation. The plants are 1 to 2 inches in diameter and bear elliptical ridges or nipples with a margin of comb-like teeth. The flowers are apical, bright purple-pink and quite large. One of the real oddities among cacti. It likes a sunny place in the windows and pure sand or sandy loam. Moderate watering when dry. Our plants are mature, established specimens. *Pelecyphora asselliformis* is the only species. Each. **\$1.00**

DWARF TREE OPUNTIA

Opuntia vilis grows into a tiny, well branched tree with round trunk some 4 inches tall. This charming little Mexican species is particularly liked for its distinct tree-like growth and the ease with which everyone succeeds with it. Likes a sandy soil and a light or sunny place. Well branched, 4-inch to 6-inch. Each, **30c**. Smaller. **20c**

THELOCACTUS NIPPLE CACTI

The Nipple Cacti form a very fine and interesting group to which the Glory of Texas belongs. Most of them are quite rare in collections, as mature plants must be imported. They differ among themselves in appearance, but all have very handsome flowers. Some are flat-topped, others conical. They bear nipples though do not have the appearance of Mammillarias, as the nipples are broad based or on spiraled ridges. The flowers are borne on the very young tubercles and are pink or white.

Thelocactus bicolor. Glory of Texas, page 29.

Thelocactus hexaedrophorus. A fine, very slow growing species. Purple flowers. Large flowering. Each. **\$1.25**

Thelocactus leucanthus. Somewhat similar to *T. bicolor*. Flowers yellow. **75c**

Thelocactus lophothele. A large, flat-topped, heavy nippled plant, curious shredded spines. Flowers salmon. Large specimens. **\$1.50**

Thelocactus nidulans. Bird's Nest Thelocactus. Large heavy nippled plant. Long, shredded, interlaced spines. Nice flowering plants. **\$1.50**

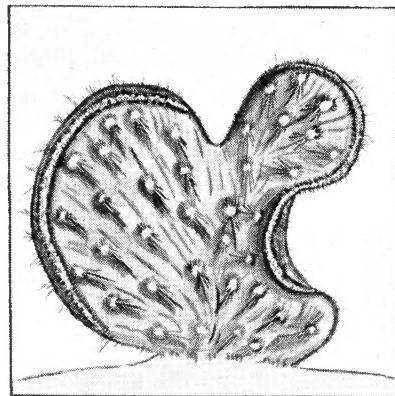
OBREGONIA

A rare and peculiar cactus with curious, sharply angled, incurving, imbricate, silvery green nipples. The apex is filled with wool with a few stiff bristles among which the white flowers appear. This uncommon plant is monotypic, the only species being *Obregonia Dene-grii*. Nice flowering specimens, 2½-3½ in., **\$2**



HYBRID EASTER LILY

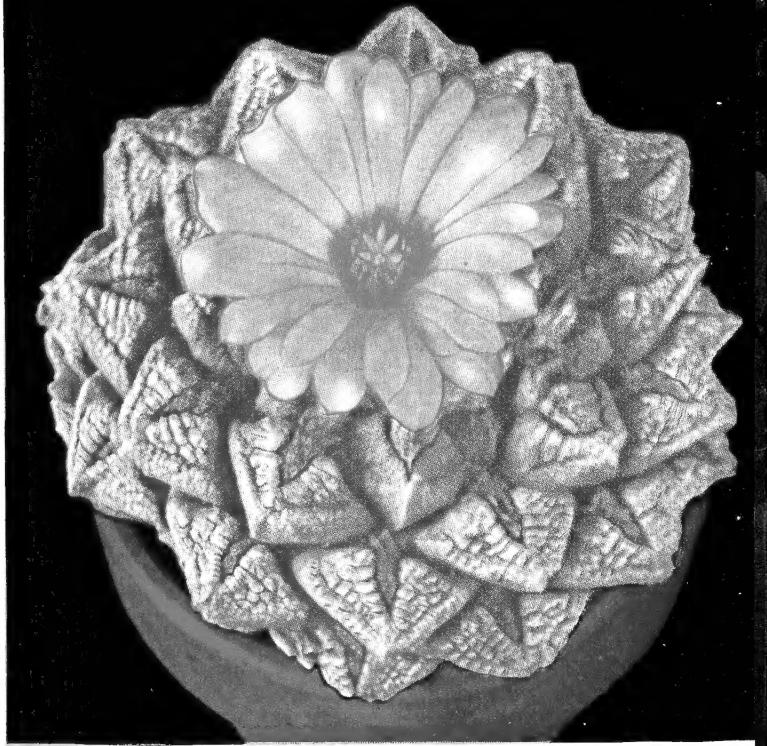
A very fine lot of these beautiful flowering cacti, *Echinopsis hybrida*, ranging from white to pink. A new lot from seeds of our best varieties, hand pollinated. Like a light loam soil, with moderately generous waterings. Semisun or sun. Large flowering, 2½-3 inch, 50c. Smaller, 35c and.....

25c

CRESTED OPUNTIA

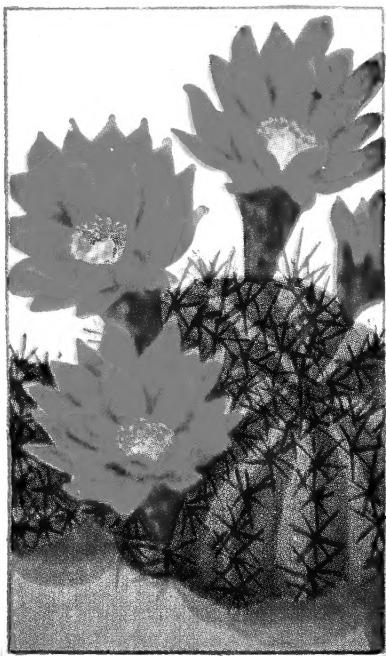
Opuntia serpentina cristata

A very attractive and easily grown crest. Crested plants with their curious, undulate, cockscomb-like manner of growth are always scarce. This one always retains its sinuate growth. The rim a band of tawny yellow. Give it a good loam and moderate waterings. Makes a fine show plant. 2-3 inch crests.....

35c

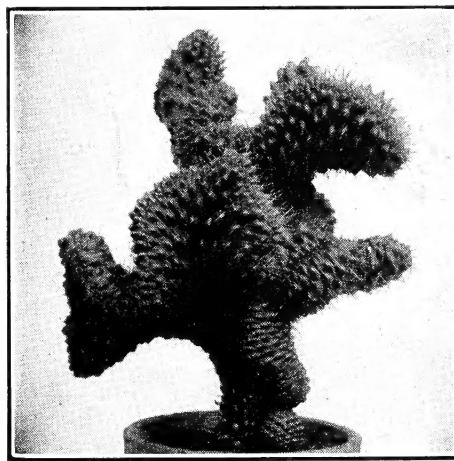
MEXICAN LIVING ROCK

It is a thrill to see the lovely blossoms this singular plant produces among its horny tubercles. *Ariocarpus fissuratus* could hardly look less like a living thing. The tough, horny skin is brown through which the underlying green shows faintly. It will generally flower for you the first year. Plant in rocky sand and little water. Large flowering, 1½-2½ inch.....

50c

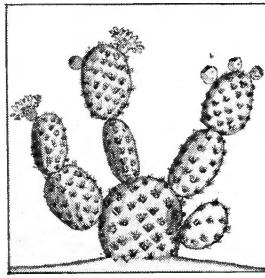
WALLFLOWER CROWN CACTUS

The lovely Rebutias are small plants, flowering freely in early summer. The delicate flowers come from near the base and are very brilliant in coloring. This species has bright wallflower red flowers. Likes a sunny window and moderate watering. 1-1¼ inch flower.....

35c

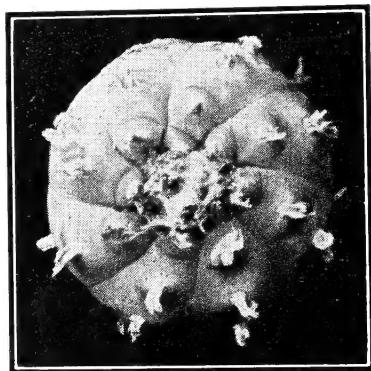
CRESTED BOXING GLOVE

A curious crested cactus assuming odd shapes. Collectors are always on the lookout for crested plants and *Opuntia mammillata cristata* is a good one. It is slow to propagate and we have only a limited number. 2-3 inch.....

40c

ANCORA BUNNY EARS

A very pretty, small eared cactus spotted with many clusters of white glochids. Light soil, moderate waterings. Eared.....

23c

SACRED MUSHROOM

A Living Rock from Mexico, smooth bright blue and spineless. For centuries our Indians have used *Lophophora Williamsii* in religious rituals as a narcotic producing an illusion of colors. Attractive, liking sandy soil, moderate watering. Mature imported plants, 1½-2½ inch.....

50c

CACTUS SEED

Cacti are very interesting to grow from seed. Our **De Luxe Mixture** contains nearly 100 different cacti. Generous amount with full instructions on planting and care. Per packet

\$1.00

REBUTIA

CROWN CACTI

These brilliantly flowered small cacti bloom with the greatest profusion during spring and summer. The buds spring from the soil line and at times, when bursting into bloom, almost smother the tiny plants. The plants are small, seldom exceeding 1½ inches in diameter, and bear harmless spines. They are native to the mountains of Argentina, Bolivia and Peru. We have a fine collection and others will be offered from time to time.

CULTURE. Being very tolerant, they thrive to perfection as pot plants, blooming regularly. We have found they enjoy a sandy loam and, if you have it, some leafmold. Always keep them moist. They will do well in partial sun or in full sun.

Rebutia Kupperiana. A very pretty plant, the body almost chocolate brown, the younger spines yellow at the base, darker above. The flowers are dark orange-red. Each.....

35c

REBUTIA MINUSCULA. A charming small, tender green plant forming clusters. The flowers appear in quantity, are very bright red and are produced for some weeks. One of the choicest flowering of small cacti. Each.....

50c

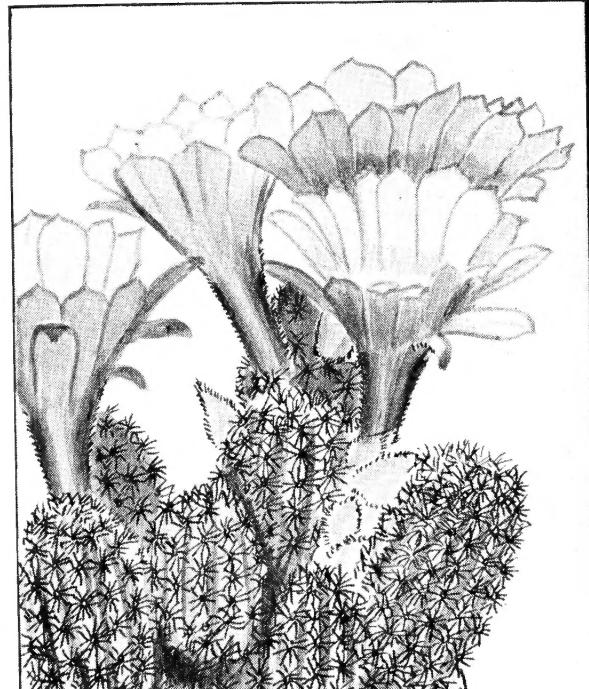
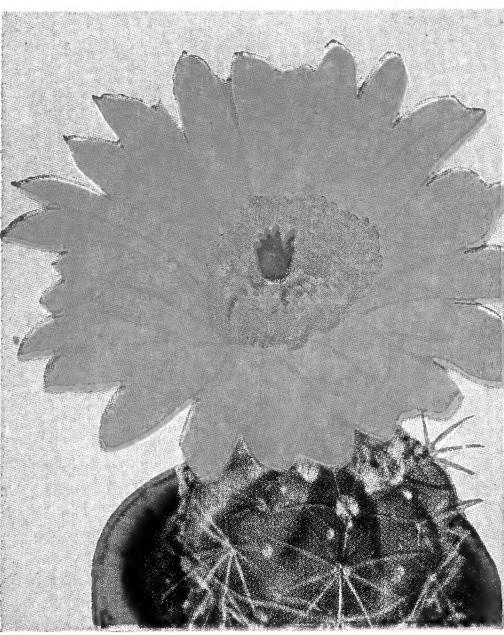
Rebutia pseudodeminuta. A charming species with dark wallflower red blossoms.....

50c

Rebutia Spegazziniana. Clustering. Very dark red flowers

50c

REBUTIA VIOLACIFLORA. One of the most brilliant flowered of all with large, deep violet-pink blossoms! Pretty, deep green plant clustering freely and blooming abundantly. Large flowering clusters, each \$1.00. Nice vigorous young 1-1¼ inch plants, each.....

35c

ORANGE COB CACTUS

The vivid orange blossoms of the fine *Lobivia famatimensis* are a startlingly beautiful sight. Petals like crepe de chine in all shades of orange. Free flowering, full sun, moderate waterings. Flowering size, 2-inch 75c. Smaller, 1½-inch, 50c. Nice clean, 1-inch.....

35c

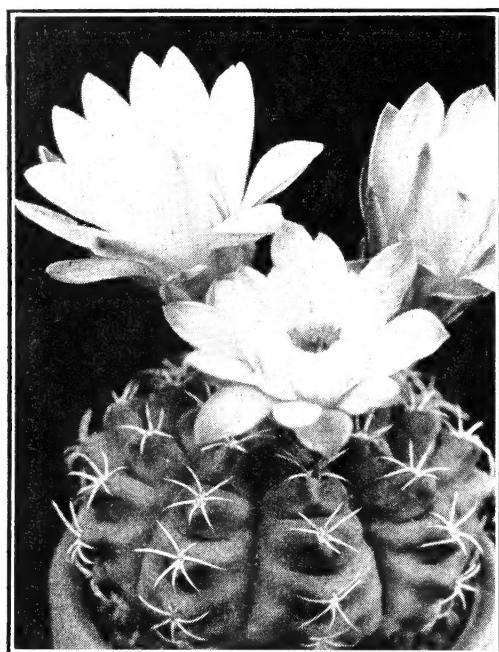


VIOLET EASTER LILY CACTUS

Echinopsis leucantha

All the Easter Lily Cacti are pretty and this is one of the best. The large blossoms are almost white, tinged with violet. *Echinopsis leucantha* likes a light loamy soil and moderate waterings, sun or semi-shade. Large flowering, 4-year-old, 3-inch, 75c. Fine 1½-2 inch, 35c. Pretty spined 1-1¼ inch.....

23c



DAM'S CHIN CACTUS

Gymnocalycium Damsii

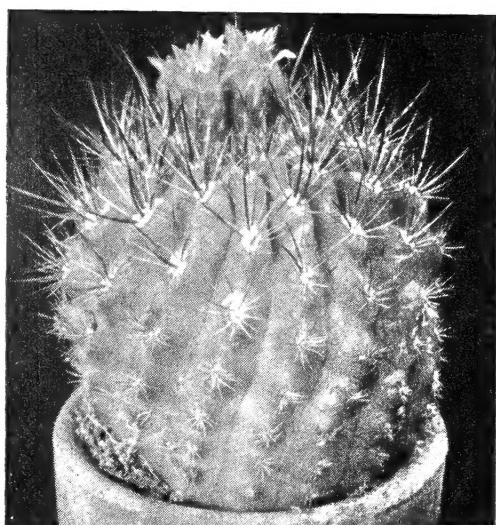
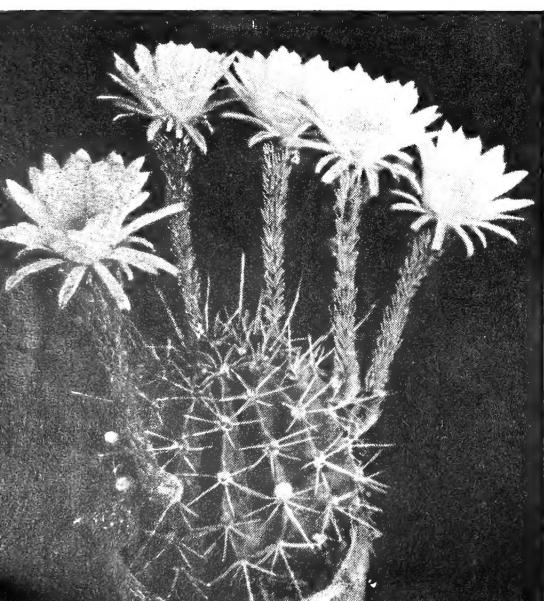
If you want lovely blossoms do not fail to have this fine plant. The easiest to flower! Bloom all summer! Pink and white flowers. Large 4-year-old, 3-in., **23c** \$1.00. Large flowering, 35c. Small flowering.....

ANGEL TRUMPETS

Echinopsis spiniflora

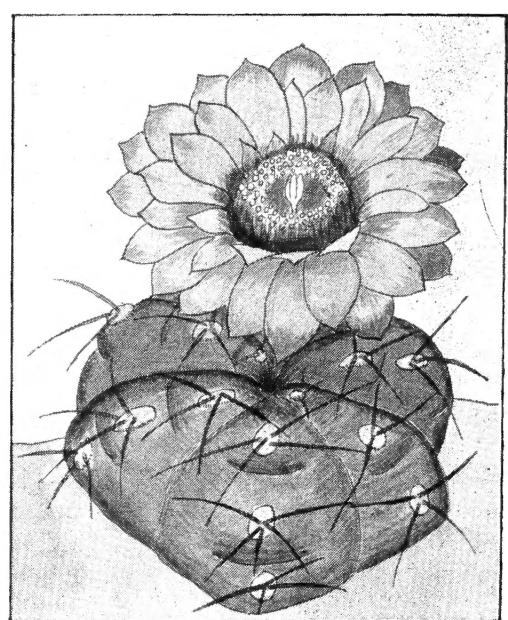
Bright lemon-green plants with large snowy flowers, red fruits. Generous treatment and semi-shade. A fine bright cactus. *Echinopsis spiniflora* 4-year flowering specimens, \$1.00. Smaller, 50c and.....

35c



CHILENIA HETERACANTHA

A scarce and charming spiny cactus bearing numerous bright pink blossoms in fall and winter. Flowers when small. Vivid when in flower. With age spines are long and flexible. Grows easily in light sandy loam with moderate waterings. Likes a light position. **40c** Large flowering, 75c. Smaller, 50c and.....



ROSE CHIN CACTUS

Gymnocalycium Urselianum

A lovely tender rose colored, large flowered Chin Cactus. Sturdy, vigorous growing, it may reach 3 inches in diameter and produce several of its handsome blossoms, which last for several days. Always attracts attention. Moderate watering with sun or semi-sun. **Fine 2-inch plants should bloom this year, 75c.** Nice plants.....

35c

CHILENIA

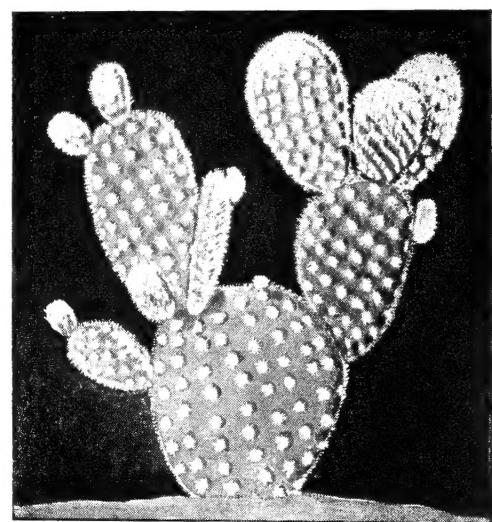
A very handsome genus with bright pink to deep cerise flowers. They bear an extraordinary number of flowers and come into flower when comparatively small. They are very spiny, cylindrical plants with low, tubercled ribs bearing from 1 to 3 flowers at each areole. They are native to Chile. **Much recommended.**

Culture. They like a sunny position and a rich light loam soil with moderate waterings when growing. Less in winter when resting. Some are in bloom with us almost the year around.

CHILENIA ACCUTISSIMA. An attractive vigorous plant reaching a foot in height. Spines straight, brown and stiff. Flowers large for genus, light pink produced near top. A fine specimen plant. From the dry hills near Valparaiso, Chile. Quite scarce. Nice plants, 4-year-old, 4-5 inches, **\$1.00.** Smaller, 50c and.....**25c**

Chilenia heteracantha. See photo above.

CHILENIA SUBGIBBOSA. A grand species with large, bright pink blossoms. Large specimens when in bloom are a fine sight! Grows freely and easily. Give loamy soil with moderate waterings. **Fine 3-year-old specimens, 3-4 in., 75c.** Fine 1-1½ inch plants.....**35c**



BRAIN CACTUS

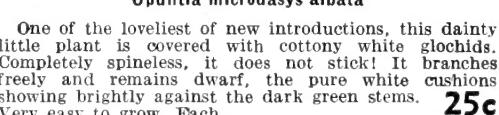
STENOCACTUS

A large group of splendid cacti native to Mexico. They are very distinct, bearing a great number of very thin ribs up to 100. The ribs are quite thin and generally waved. Some are few spined, others heavily spined, many kinds have ribbon-like spines. Flowers apical with spreading petals purple, pink, white or yellow, often with a dark stripe down the middle. Quite attractive.

Culture. Grow readily in a quite sandy loam with moderate watering when dry. They like a sunny spot.

Stenocactus hastatus. About 35 wavy ribs. Areoles distant, spines brown, quite long. Flowers largest in genus, white. A handsome plant. **Our plants are imported mature flowering plants, 2½-3 inches. Fine. Each.....\$1.00**

Stenocactus Vaupelianus. Very handsome white-spined variety with almost white-haired effect. **Splendid mature imported, show specimens. Each.....\$1.25**



EAGLE CLAWS

Echinocactus horizonthalonius

An old favorite bearing handsome purple flowers in summer. The blossoms arise from the woolly crown. The curved spines are quite stout, the plant body blue. A native of western Texas. Enjoys a light sandy soil and full sunlight. Nice plants for flowering....

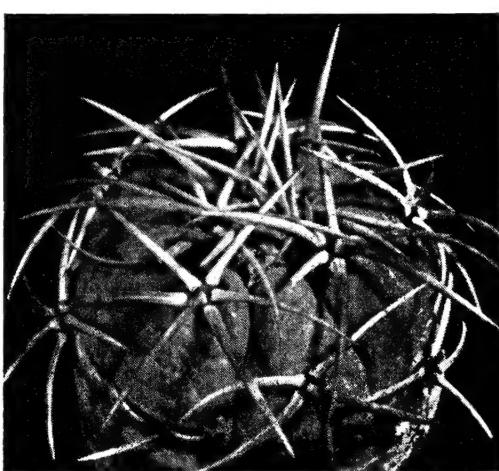
25c

CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas, **sent with each bottle of spray.**

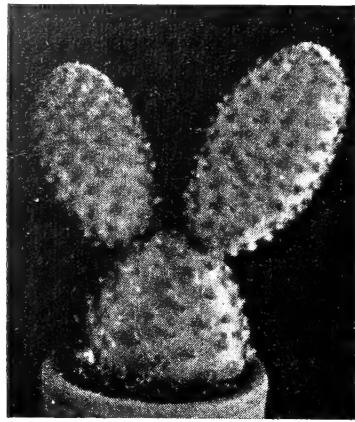
Red Arrow Spray. Recommended for all insects. Non-injurious to cacti or other house or garden plants. Spray and instruction sheet..**40c**

Volck. An oil spray for mealy bug and all scale insects. This is an extremely effective insecticide, particularly when mixed with Red Arrow. Full instructions. Per bottle.....**50c**



Opuntias OR PRICKLY PEARS

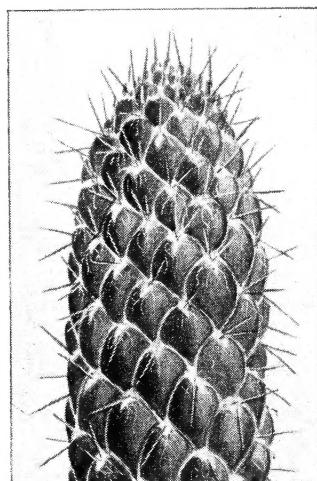
THESE most interesting cacti are found throughout North and South America from Canada to the Straits of Magellan. There are literally hundreds of kinds, some like our flat-leaved Prickly Pears, others shrubby cylindrical stemmed ones similar to those covering the mesas of Arizona. In the tropics they grow into trees and the fruits of some are staple in the markets of the sub-tropics throughout the world. Some are tiny dwarfs, others are woolly like the Old Man Cacti, some bear true leaves, some are spineless and some have the most wicked spines sheathed in paper caps. There are many genera, some differing widely from the general concept of Opuntia. South America has the most singular genera, such as Tacinga and Maihuenia.



BUNNY EARS

An old favorite, the pods dotted with areoles filled with golden glochids. Our plants are dwarf with small ears or branches, and remain just right for house culture. Grows very easily in sandy soil. Each.....

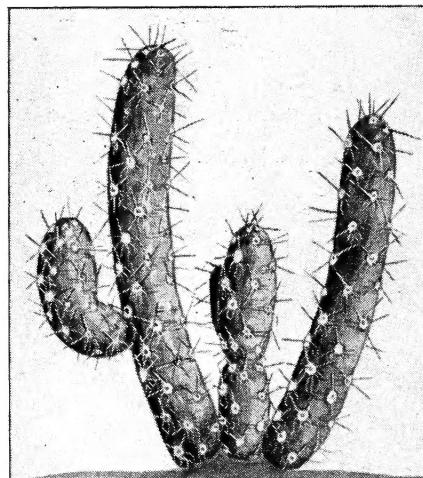
20c



DEVILS CANE

Handsome dark green stems prettily ribbed in spirals. *Opuntia cylindrica* grows very quickly, soon making a fine specimen.....

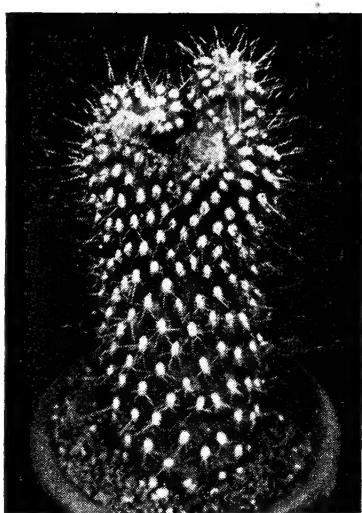
23c



OPUNTIA TERES

A very rare species with deep garnet-red blossoms, the round stems bearing fat leaves which fall away as they mature. Grows readily in a sandy loam soil with moderate water. Each.....

25c

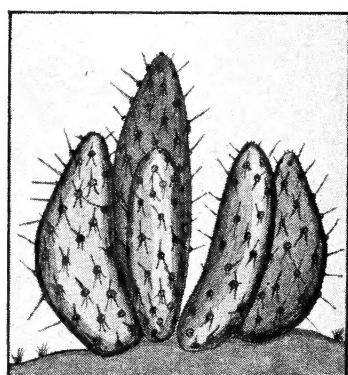


BOXING GLOVE

Opuntia mammillata

A very popular variety with reddish spines when young. As the plant grows the top opens into a crest which gives it its name. Grows easily and always pretty.....

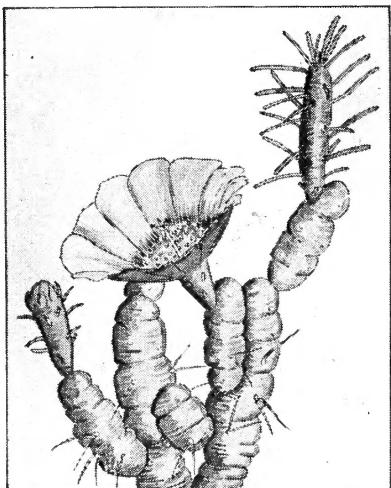
22c



DOMINOES

One of the prettiest *Opuntia erectoclada* is a quite dwarf species you will surely want in your collection. Nice branched plants.....

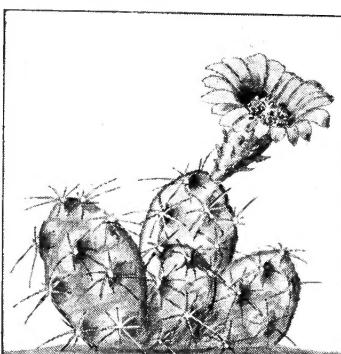
25c



OPUNTIA VERSCHAFFELTII

An elegant and pretty variety found in the highlands of Bolivia. The young stems bear fleshy leaves, which soon fall away. Flowers dark red. Rare. Each.....

35c



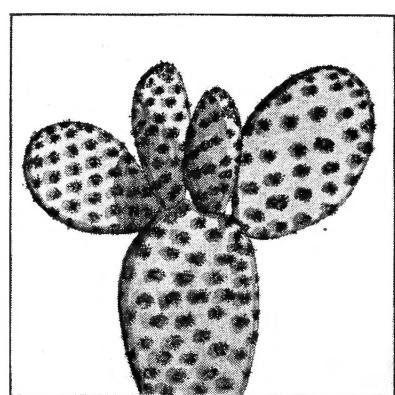
OPUNTA MOELLERI

A new variety with egg shaped, nipped stems. Young plants form around the mother to make a cluster, sometimes three joints high. The pretty flowers are red. Grows readily in sandy soil with very moderate watering. Each.....

35c

OPUNTIA SANTA RITA. Handsome round almost spineless blue "leaves." Large yellow blossoms with red eye. Fine.....

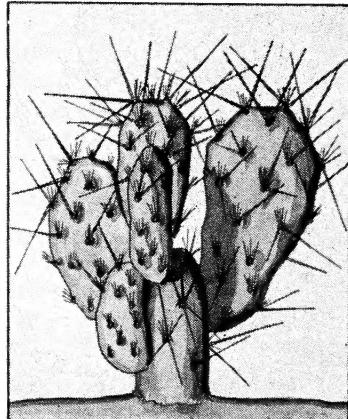
25c



CINNAMON CACTUS

Pretty cinnamon red variety of the Bunny Ear group. *Opuntia rufida* well eared.....

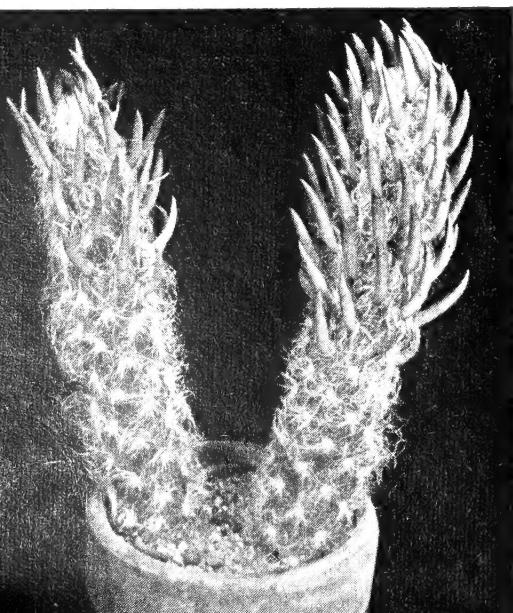
25c



FAIRY NEEDLES

A pretty pale yellow-green dwarf species, the older pads with long, slim yellow spines. *Opuntia soehrenii* grows easily. From Bolivia.....

25c



At Left

OLD MAN OPUNTIA

White hairy woolly stems like the Old Man Cactus. A rare and handsome plant. From Bolivia. *Opuntia vestita* grows easily in sun or shade. Moderate waterings. Nice.....

25c



CONSOLEA

Pretty flat pads, becoming round jointed, growing into leafy trees. *Consolea falcata*. Very tree like when large. Each.....

35c

Consolea rubescens. Pads rich bronze red. Fine ornamental species. Pads very long.....

25c

Consolea spinosissima. Very spiny.....

35c

MAIHUENIA POEPPICII

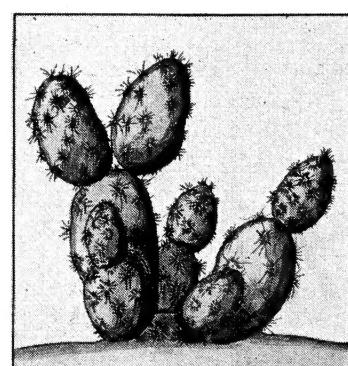
An extremely rare Opuntiad from Chile. The plant bears true leaves forming much branched, small clusters. Leaves persistent subulate. Flowers clear yellow.....

75c

PTEROCACTUS

Rare genus. *P. Fischeri* is a very small tuberous rooted species.....

50c



THIMBLE TUNA

A pretty dwarf species forming most interesting little clumps. *Tephrocactus sphaericus*. From Arequipa, Peru. Nice.....

25c